iPod touch
User Guide

For iOS 8.1 Software

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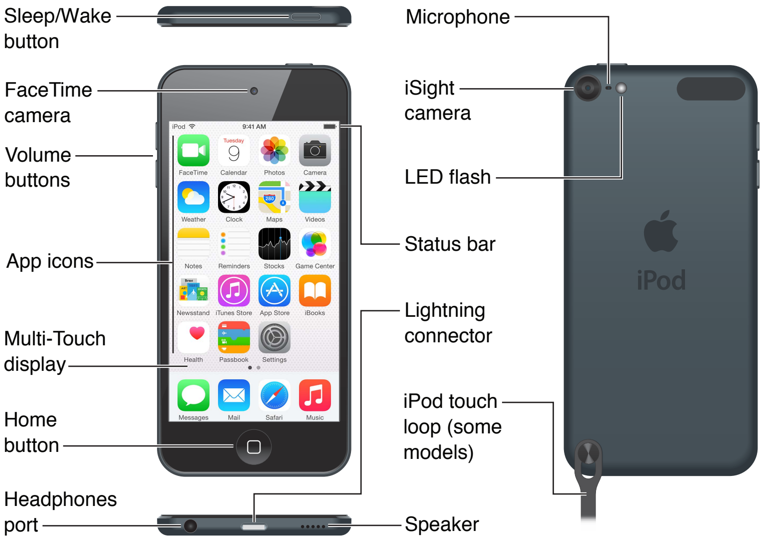
iPod touch at a Glance

1

iPod touch overview

This guide describes the features of iOS 8 and iPod touch 5th generation.

iPod touch 5th generation

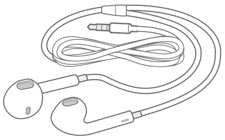

Sleep/Wake button
FaceTime camera
Volume buttons
App icons
Multi-Touch display
Home button
Headphones port
Microphone
iSight camera
LED flash
Status bar
Lightning connector
iPod touch loop (some models)
Speaker
iPod

iPod touch apps and features may vary based on your location, language, and model of iPod touch. To find out which features are supported in your area, see www.apple.com/ios/feature-availability.

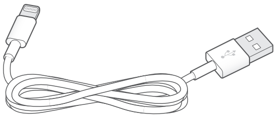
Accessories

The following accessories are included with iPod touch:

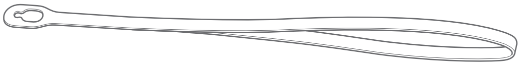
Apple EarPods. Use the Apple EarPods to listen to music, videos, audiobooks, podcasts, and games.



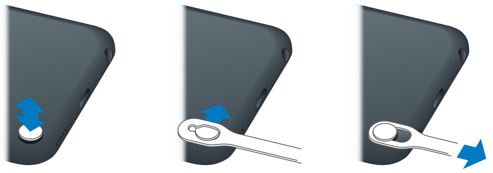
Connecting cable. Using the Lightning to USB Cable, connect iPod touch to your computer to sync and charge, or to the USB power adapter (sold separately) to charge.



iPod touch loop (included with 32 GB and 64 GB models and sold separately for 16 GB models). Attach for an easy and secure way to carry iPod touch.



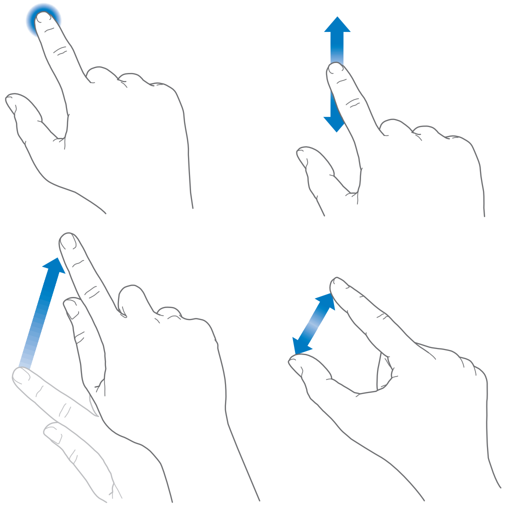
Press the button on the back of iPod touch to pop it up, slip the loop tab over the button, then pull the loop to snap it in place.



> ***WARNING:*** For important information about using the iPod touch loop, see Important safety information on page 149.

Multi-Touch screen

The Multi-Touch screen displays a wealth of info, entertainment, and creativity, all at your fingertips. A few simple gestures—tap, drag, swipe, and pinch—are all you need to explore and use iPod touch apps.

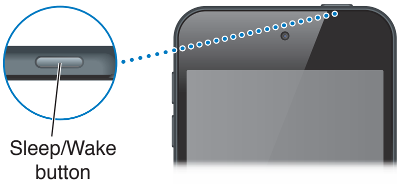


Buttons

Most of the buttons you use with iPod touch are virtual ones on the touchscreen. A few physical buttons control basic functions, such as turning on iPod touch or adjusting the volume.

Sleep/Wake button

When you're not using iPod touch, press the Sleep/Wake button to lock iPod touch. Locking iPod touch puts the display in sleep, saves the battery, and prevents anything from happening if you touch the screen. You can still listen to music and adjust the volume using the buttons on the side of iPod touch, and receive FaceTime calls, text messages, alarms, notifications, and other updates.



iPod touch locks automatically if you don't touch the screen for a minute or so. You can adjust the timing in Settings > General > Auto-Lock.

Turn on iPod touch. Press and hold the Sleep/Wake button until the Apple logo appears.

- *Open Camera when iPod touch is locked:* Press the Sleep/Wake button or the Home button, then drag 📷 up.
- *Access the audio controls when iPod touch is locked:* Swipe up from the bottom edge of the screen to open Control Center.

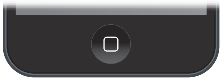
Unlock iPod touch. Press the Sleep/Wake button or the Home button, then drag the slider.

Turn off iPod touch. Press and hold the Sleep/Wake button until the slider appears, then drag the slider.

For additional security, you can require a passcode to unlock iPod touch. Go to Settings > Passcode. See Use a passcode with data protection on page 38.

Home button

The Home button takes you to the Home screen and provides other convenient shortcuts. On the Home screen, tap any app to open it. See Start at home on page 20.



See apps you've opened. Double-click the Home button.

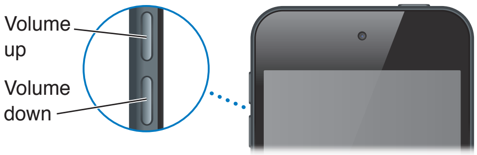
Use Siri or Voice Control. Press and hold the Home button. See Chapter 4, Siri, on page 42 and Voice Control on page 29.

In addition, you can use the Home button to turn accessibility features on or off. See Accessibility Shortcut on page 124.

Volume controls

When you listen to songs, movies, or other media, the buttons on the side of iPod touch adjust the audio volume. Otherwise, the buttons control the volume for alerts and other sound effects.

WARNING: For important information about avoiding hearing loss, see Important safety information on page 149.



Lock the ringer and alerts volume. Go to Settings > Sounds and turn off "Change with Buttons." To limit the volume for music and videos, go to Settings > Music > Volume Limit.

Note: In some European Union (EU) countries, iPod touch may warn that you're setting the volume above the EU recommended level for hearing safety. To increase the volume beyond this level, you may need to briefly release the volume control. To limit the maximum headset volume to this level, go to Settings > Music > Volume Limit. To prevent changes to the volume limit, go to Settings > General > Restrictions.

See the audio playback controls. When iPod touch is locked or when you're using another app, swipe up from the bottom edge of the screen to open Control Center.

Use Do Not Disturb. To silence FaceTime calls, alerts, and notifications, swipe up from the bottom edge of the screen to open Control Center, then tap ☾. See Do Not Disturb on page 32.

You can also use either volume button to take a picture or record a video. See Take photos and videos on page 79.

Status icons

The icons in the status bar at the top of the screen give information about iPod touch:

Status icon		What it means
📶	**Wi-Fi**	iPod touch is connected to the Internet over a Wi-Fi network. See Connect to Wi-Fi on page 14.
✳	**Network activity**	Shows that there's network activity. Some third-party apps may also use this icon to indicate an active process.
🔄	**Syncing**	iPod touch is syncing with iTunes.
✈	**Airplane mode**	Airplane mode is on—you cannot access the Internet or use Bluetooth® devices. Non-wireless features are available. See Travel with iPod touch on page 41.
☾	**Do Not Disturb**	"Do Not Disturb" is turned on. See Do Not Disturb on page 32.
VPN	**VPN**	You're connected to a network using VPN. See VPN settings on page 154.
🔒	**Portrait orientation lock**	The iPod touch screen is locked in portrait orientation. See Change the screen orientation on page 22.
⏰	**Alarm**	An alarm is set. See Alarms and timers on page 85.

Status icon		What it means
➤	**Location Services**	An item is using Location Services. See Privacy on page 37.
ᛒ	**Bluetooth®**	*Blue or white icon:* Bluetooth is on and paired with a device, such as a headset. *Gray icon:* Bluetooth is on. If paired with a device, the device may be out of range or turned off. *No icon:* Bluetooth is turned off. See Bluetooth devices on page 36.
🔋	**Bluetooth battery**	Shows the battery level of a supported paired Bluetooth device.
🔋	**Battery**	Shows the iPod touch battery level or charging status. See Charge and monitor the battery on page 40.

Getting Started

2

Set up iPod touch

> ⚠ ***WARNING:*** To avoid injury, read Important safety information on page 149 before using iPod touch.

With only a Wi-Fi connection, you can easily set up and activate iPod touch. You can also set up iPod touch by connecting it to a computer and using iTunes (see Connect iPod touch to your computer, below).

Set up and activate iPod touch. Turn on iPod touch and follow the Setup Assistant.

The Setup Assistant steps you through the setup process, including:

- Connecting to a Wi-Fi network
- Signing in with or creating a free Apple ID (needed for many features, including iCloud, FaceTime, the App Store, and the iTunes Store)
- Entering a passcode
- Setting up iCloud and iCloud Keychain
- Turning on recommended features such as Location Services

  You can also restore from an iCloud or iTunes backup during setup.

Note: Find My iPod touch is turned on when you sign in to iCloud. Activation Lock is engaged to help prevent anyone else from setting up your iPod touch, even if it is completely restored. Before you sell or give away your iPod touch, you should reset it to erase your personal content and turn off Activation Lock. See Sell or give away iPod touch on page 156.

Connect iPod touch to your computer

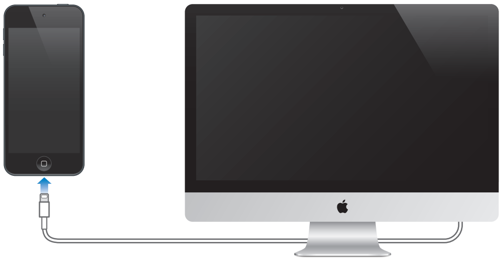
You can connect iPod touch to your computer to set it up. You also might need to connect it to complete wireless setup.

Connecting iPod touch to your computer lets you sync music, videos, and other information with iTunes. You can also sync content with your computer wirelessly. See Sync with iTunes on page 17.

To use iPod touch with your computer, you need:

- An Internet connection for your computer (broadband is recommended)
- A Mac or a PC with a USB 2.0 or 3.0 port and one of the following operating systems:
  - OS X version 10.6.8 or later
  - Windows 8, Windows 7, Windows Vista, or Windows XP Home or Professional with Service Pack 3 or later

Connect iPod touch to your computer. Use the Lightning to USB Cable provided with iPod touch.



Connect to Wi-Fi

If 📶 appears in the status bar at the top of the screen, you're connected to a Wi-Fi network. iPod touch reconnects anytime you return to the same location.

Configure Wi-Fi. Go to Settings > Wi-Fi. You can:

- *Choose a network:* Tap one of the listed networks and enter the password, if asked.
- *Ask to join networks:* Turn "Ask to Join Networks" on to be prompted when a Wi-Fi network is available. Otherwise, you must manually join a network when a previously used network isn't available.
- *Forget a network:* Tap ⓘ next to a network you've joined before, then tap "Forget this Network."
- *Join a closed Wi-Fi network:* Tap Other, then enter the name of the closed network. You must already know the network name, password, and security type to connect to a closed network.
- *Adjust the settings for a Wi-Fi network:* Tap ⓘ next to a network. You can set an HTTP proxy, define static network settings, turn on BootP, or renew the settings provided by a DHCP server.

Set up your own Wi-Fi network. If you have an unconfigured AirPort base station turned on and within range, you can use iPod touch to set it up. Go to Settings > Wi-Fi and look for "Set up an AirPort base station." Tap your base station and the Setup Assistant will do the rest.

Manage an AirPort network. If iPod touch is connected to an AirPort base station, go to Settings > Wi-Fi, tap ⓘ next to the network name, then tap "Manage this Network." If you haven't yet downloaded AirPort Utility, tap OK to open the App Store, then download it.

Connect to the Internet

iPod touch connects to the Internet by joining Wi-Fi networks. When joined to a Wi-Fi network that is connected to the Internet, iPod touch connects to the Internet automatically whenever you use Mail, Safari, FaceTime, Game Center, Stocks, Maps, Weather, the App Store, or the iTunes Store.

Apple ID

Your Apple ID is the account you use for just about everything you do with Apple, including storing your content in iCloud, downloading apps from the App Store, buying music, movies, and TV shows from the iTunes Store, and purchasing books from the iBooks Store.

If you already have an Apple ID, use it when you first set up iPod touch, and whenever you need to sign in to use an Apple service. If you don't already have an Apple ID, you can create one whenever you're asked to sign in. You only need one Apple ID for everything you do with Apple.

For more information, see appleid.apple.com.

iCloud

iCloud offers free mail, contacts, calendar, and other features that you can set up simply by signing in to iCloud with your Apple ID, then making sure that the features you want to use are turned on.

Set up iCloud. Go to Settings > iCloud. Create an Apple ID if needed, or use your existing one.

iCloud stores your photos and videos, documents, music, calendars, contacts, and more. Content stored in iCloud is pushed wirelessly to your other iOS devices and computers signed into iCloud with the same Apple ID.

iCloud is available on devices with iOS 5 or later, on Mac computers with OS X Lion v10.7.5 or later, and on PCs with iCloud for Windows 4.0 (Windows 7 or Windows 8 is required).

Note: iCloud may not be available in all areas, and iCloud features may vary by area. For more information, go to www.apple.com/icloud.

iCloud features include:

- *Music, Movies, TV Shows, Apps, and Books:* Automatically get iTunes purchases on all your devices set up with iCloud, or download previous iTunes music and TV show purchases for free, anytime. With an iTunes Match subscription, all your music, including music you've imported from CDs or purchased somewhere other than the iTunes Store, can also be stored in iCloud and played on demand. See iCloud and iTunes Match on page 62. Download previous App Store and iBooks Store purchases to iPod touch for free, anytime.
- *Photos:* Use iCloud Photo Library beta to store all your photos and videos in iCloud, and access them from any iOS 8 device using the same Apple ID. Use iCloud Photo Sharing to share photos and videos with just the people you choose, and let them add photos, videos, and comments. See iCloud Photo Library beta on page 74. See iCloud Photo Sharing on page 74.
- *Family Sharing:* Up to six family members can share their purchases from the iTunes Store, App Store, and iBooks Store. Pay for family purchases with the same credit card and approve kids' spending right from a parent's device. Plus, share photos, a family calendar, and more. See Family Sharing on page 33.
- *iCloud Drive:* Safely store your presentations, spreadsheets, PDFs, images, and other documents in iCloud, and access them from your iPod touch, iPhone, iPad, Mac, or PC. See About iCloud Drive on page 35.
- *Documents in the Cloud:* For iCloud-enabled apps, keep documents and app data up to date across all your devices set up with iCloud.
- *Mail, Contacts, Calendars:* Keep your mail, contacts, calendars, notes, and reminders up to date across all your devices. If you use iCloud, don't also use iTunes to sync your contacts, calendars, and bookmarks to iPod touch.

- *Safari Tabs:* See the tabs you have open on your other iOS devices or computers with OS X. See Browse the web on page 54.
- *Backup:* Back up iPod touch to iCloud automatically when connected to power and Wi-Fi. All iCloud data and backups sent over the Internet are encrypted. See Back up iPod touch on page 154.
- *Find My iPod:* Locate your iPod touch on a map, display a message, play a sound, lock the screen, or remotely wipe your iPod touch data. Find My iPod includes Activation Lock, which requires your Apple ID and password in order to turn off Find My iPod or erase your device. Your Apple ID and password are also required before anyone can activate your iPod touch. See Find My iPod touch on page 39.
- *Find My Friends:* Share your location with people who are important to you. Download the free app from the App Store.
- *iCloud Keychain:* Keep your passwords and credit card information up to date across all your designated devices. See iCloud Keychain on page 38.

With iCloud, you get a free mail account and 5 GB of storage for your mail, documents, photos, and backups. Your purchased music, apps, TV shows, and books don't count against your available space.

Upgrade your iCloud storage. Go to Settings > iCloud > Storage, then tap Change Storage Plan. For information about upgrading your iCloud storage, go to help.apple.com/icloud.

View and download previous purchases, or get purchases shared by your family.

- *iTunes Store purchases:* You can access your purchased songs and videos in the Music and Videos apps. Or, in the iTunes Store, tap More, then tap Purchased.
- *App Store purchases:* In the App Store, tap Updates, then tap Purchased.
- *iBooks Store purchases:* In iBooks, tap Store, then tap Purchased.

Turn on Automatic Downloads for music, apps, or books. Go to Settings > iTunes & App Store.

For more information about iCloud, go to www.apple.com/icloud. For support information, go to www.apple.com/support/icloud.

Set up other mail, contacts, and calendar accounts

iPod touch works with Microsoft Exchange, and many of the most popular Internet-based mail, contacts, and calendar service providers.

Set up an account. Go to Settings > Mail, Contacts, Calendars > Add Account.

You can add contacts using an LDAP or CardDAV account if your company or organization supports it. See Add contacts on page 122.

You can add calendars using a CalDAV calendar account, and you can subscribe to iCalendar (.ics) calendars or import them from Mail. See Use multiple calendars on page 69.

Manage content on your iOS devices

You can transfer information and files between your iOS devices and computers, using iCloud or iTunes.

- *iCloud* stores your photos and videos, documents, music, calendars, contacts, and more. It all gets pushed wirelessly to your other iOS devices and computers, keeping everything up to date. See iCloud on page 15.
- *iTunes* syncs music, videos, photos, and more between your computer and iPod touch. Changes you make on one device are copied to the other when you sync. You can also use iTunes to sync files and documents. See Sync with iTunes, next.

You can use iCloud or iTunes, or both, depending on your needs. For example, you can use iCloud to automatically keep your contacts and calendars up to date on all your devices, and use iTunes to sync music from your computer to iPod touch.

Important: To avoid duplicates, keep contacts, calendars, and notes in sync using iCloud or iTunes, but not both.

You can also manually manage content from iTunes, in the device's Summary pane. This lets you add songs and videos, by choosing a song, video, or playlist from your iTunes library and then dragging it to your iPod touch in iTunes. This is useful if your iTunes library contains more items than can fit on your device.

Note: If you're using iTunes Match, you can manually manage only video.

Sync with iTunes

Syncing with iTunes copies information from your computer to iPod touch, and vice versa. You can sync by connecting iPod touch to your computer, or you can set up iTunes to sync wirelessly with Wi-Fi. You can set iTunes to sync music, videos, apps, photos, and more. For help syncing iPod touch, open iTunes on your computer, choose Help > iTunes Help, then select Sync your iPod, iPhone, or iPad.

Sync wirelessly. Connect iPod touch. Then in iTunes on your computer, select your iPod touch, click Summary, and select "Sync with this iPod over Wi-Fi."

If Wi-Fi syncing is turned on, iPod touch syncs when it's connected to a power source, both iPod touch and your computer are on and connected to the same wireless network, and iTunes is open on your computer.

Tips for syncing with iTunes on your computer

Connect iPod touch to your computer, select it in iTunes, and set options in the different panes.

- If iPod touch doesn't appear in iTunes, make sure you're using the latest version of iTunes, check that the included Lightning to USB cable is correctly connected, then try restarting your computer.
- In the Summary pane, you can set iTunes to automatically sync iPod touch when it's attached to your computer. To temporarily override this setting, hold down Command and Option (Mac) or Shift and Control (PC) until you see iPod touch appear in the iTunes window.
- In the Summary pane, select "Encrypt iPod backup" if you want to encrypt the information stored on your computer when iTunes makes a backup. Encrypted backups are indicated by a lock icon 🔒, and a password is required to restore the backup. If you don't select this option, other passwords (such as those for mail accounts) aren't included in the backup, and you'll have to reenter them if you use the backup to restore iPod touch.

- In the Info pane, when you sync mail accounts, only the settings are transferred from your computer to iPod touch. Changes you make to a mail account on iPod touch don't affect the account on your computer.
- In the Info pane, click Advanced to select options that let you *replace* the information on iPod touch with the information from your computer during the next sync.
- In the Music pane, you can sync music using your playlists.
- In the Photos pane, you can sync photos and videos from a supported app or folder on your computer.
- If you use iCloud to store your contacts, calendars, and bookmarks, don't also sync them to iPod touch using iTunes.
- If you turn on iCloud Photo Library beta, you can't use iTunes to sync photos and videos to iPod touch.

Date and time

The date and time are usually set for you based on your location—take a look at the Lock screen to see if they're correct.

Set whether iPod touch updates the date and time automatically. Go to Settings > General > Date & Time, then turn Set Automatically on or off. If you set iPod touch to update the time automatically, it gets the correct time based on your Wi-Fi connection. In some cases, iPod touch may not be able to automatically determine the local time.

Set the date and time manually. Go to Settings > General > Date & Time, then turn off Set Automatically. Tap Time Zone to set your time zone. Tap the Date & Time button, then tap Set Date & Time.

Set whether iPod touch shows 24-hour time or 12-hour time. Go to Settings > General > Date & Time, then turn 24-Hour Time on or off. (24-Hour Time may not be available in all areas.)

International settings

Go to Settings > General > Language & Region to set the following:

- The language for iPod touch
- The preferred language order for apps and websites
- The region format
- The calendar format
- Advanced settings for dates, times, and numbers

To add a keyboard for another language, go to Settings > General > Keyboard > Keyboards. For more information, see Use international keyboards on page 146.

Your iPod touch name

The name of your iPod touch is used by both iTunes and iCloud.

Change the name of your iPod touch. Go to Settings > General > About > Name.

View this user guide on iPod touch

You can view the *iPod touch User Guide* on iPod touch in Safari, and in the iBooks app.

View the user guide in Safari. Tap 📖, then tap the iPod touch User Guide bookmark. (If you don't see a bookmark, go to help.apple.com/ipod-touch.)

- *Add an icon for the user guide to the Home screen:* Tap 📤, then tap Add to Home Screen.
- *View the user guide in a different language:* Tap Change Language at the bottom of the home page.

View the user guide in iBooks. Open iBooks, then search for "iPod touch user" in the iBooks Store.

For more information about iBooks, see Chapter 24, iBooks, on page 107.

Tips for using iOS 8

The Tips app helps you get the most from iPod touch.

Get Tips. Open the Tips app. New tips are added weekly.

Get notified when new tips arrive. Go to Settings > Notifications > Tips.

Basics

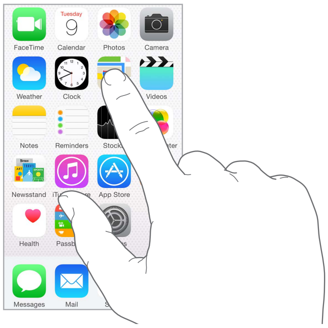
3

Use apps

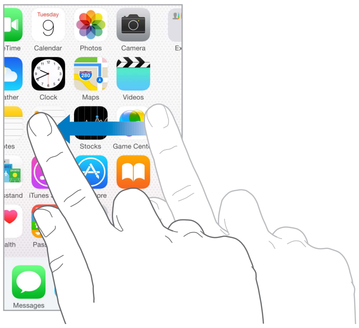
All the apps that come with iPod touch—as well as the apps you download from the App Store—are on the Home screen.

Start at home

Tap an app to open it.


Tuesday
9
FaceTime
Calendar
Photos
Camera
Weather
Clock
Videos
Notes
Reminders
Newsstand
App Store
Health
Messages
Mail

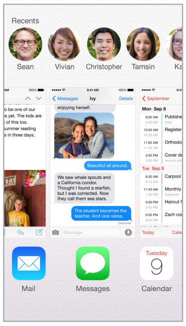
Press the Home button anytime to return to the Home screen. Swipe left or right to see other screens.


Tuesday
9
Calendar
Photos
Camera
Clock
Maps
Videos
Stocks
Messages

Multitasking

iPod touch helps you manage several tasks at the same time.

View contacts and open apps. Double-click the Home button to reveal the multitasking screen. Swipe left or right to see more. To switch to another app, tap it. To connect with a recent contact, tap the contact's picture or name, then tap your preferred method of communication.

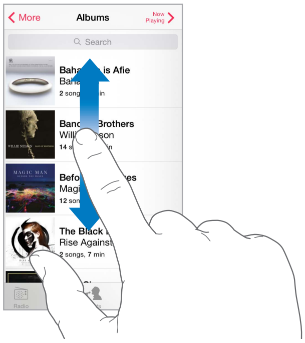


Close an app. If an app isn't working properly, you can force it to quit. Drag the app up from the multitasking display. Then try opening the app again.

If you have lots of apps, you can use Spotlight to find and open them. Pull down the center of the Home screen to get the search field. See Search apps on page 30.

Look around

Drag a list up or down to see more. Swipe to scroll quickly; touch the screen to stop it. Some lists have an index—tap a letter to jump ahead.

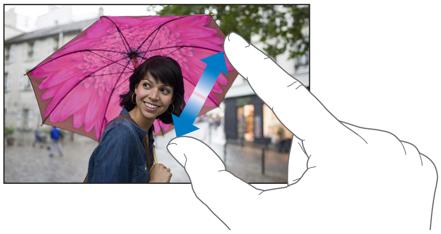


Drag a photo, map, or webpage in any direction to see more.

To quickly jump to the top of a page, tap the status bar at the top of the screen.

Get a closer look

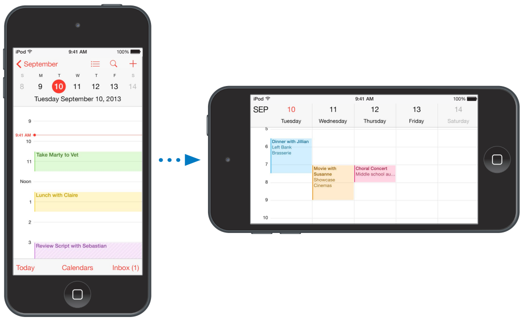
Spread a photo, webpage, or map for a close-up—then pinch to zoom back out. In Photos, keep pinching to see the collection or album the photo's in.



Or double-tap a photo or webpage to zoom in, and double-tap again to zoom out. In Maps, double-tap to zoom in and tap once with two fingers to zoom out.

Change the screen orientation

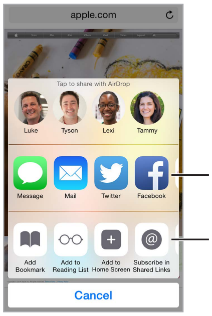
Many apps give you a different view when you rotate iPod touch.



To lock the screen in portrait orientation, swipe up from the bottom edge of the screen to open Control Center, then tap 🔒.

App extensions

Some apps let you extend the functionality of your apps on iPod touch. An app extension may appear as a sharing option, action option, a widget in Notification Center, a file provider, or a custom keyboard. For example, if you download Pinterest to iPod touch, Pinterest becomes another option for sharing when you click ⇧.


apple.com
Tap to share with AirDrop
Luke
Tyson
Lexi
Tammy
Message
Mail
Twitter
Facebook
Add Bookmark
Add to Reading List
Add to Home Screen
Subscribe in Shared Links
Cancel

Sharing options

Action options

App extensions can also help you edit a photo or video in your Photos app. For example, you can download a photo-related app that lets you apply filters to photos from your Photos app.

Install app extensions. Download the app from the App Store, then open the app and follow the onscreen instructions.

Turn sharing or action options on or off. Tap ⇧, then tap More (drag options to the left if necessary). Turn off third-party sharing or action options (they are on by default).

Organize sharing and action options. Tap ⇧, then tap More (drag icons to the left if necessary). Touch and drag ≡ to rearrange your options.

For more information about Notification Center widgets, see Notification Center on page 31. For more information about Sharing options, see Share from apps on page 32.

Continuity

About Continuity features

Continuity features connect iPod touch with your iPhone, iPad, and Mac so they can work together as one. You can start an email or document on iPod touch, for example, then pick up where you left off on your iPad or Mac. Or let iPod touch use iPhone to make phone calls or send SMS or MMS text messages.

Continuity features require iOS 8 or OS X Yosemite, and work with iPhone 5 or later, iPod touch (5th generation) or later, iPad (4th generation) or later, and supported Mac computers. For more information, see support.apple.com/kb/HT6337.

Handoff

Pick up on one device where you left off on another. You can use Handoff with Mail, Safari, Pages, Numbers, Keynote, Maps, Messages, Reminders, Calendar, Contacts, and even some third-party apps. For Handoff to work, your devices must be signed into iCloud using the same Apple ID, and they must be within Bluetooth range of one another (about 33 feet or 10 meters).

Switch devices. Swipe up from the bottom-left edge of the Lock screen (where you see the app's activity icon), or go to the multitasking screen, then tap the app. On your Mac, open the app you were using on your iOS device.

Disable Handoff on your devices. Go to Settings > General > Handoff & Suggested Apps.

Disable Handoff on your Mac. Go to System Preferences > General, then turn off Allow Handoff between this Mac and your devices set up with iCloud.

Phone calls

If your iPhone (with iOS 8) is nearby, you can make and receive phone calls on your other iOS devices and Mac computers. All devices must be on the same Wi-Fi network, and signed into FaceTime and iCloud using the same Apple ID. (On iPhone, make sure Allow Wi-Fi Calls is turned off at Settings > Phone > Wi-Fi Calls.)

Make a phone call on iPod touch. Tap a phone number in Contacts, Calendar, or Safari. You can also tap a recent contact in the multitasking screen.

Disable iPhone Cellular Calls. On your iPhone, go to Settings > FaceTime, then turn off iPhone Cellular Calls.

Messages

If your iPhone (with iOS 8) is signed into iMessage using the same Apple ID as your iPod touch, you can also send and receive SMS and MMS messages on your iPod touch. Charges may apply to the text messaging service for your iPhone.

Instant Hotspot

You can use Instant Hotspot on your iPhone (with iOS 8) or iPad (cellular models with iOS 8) to provide Internet access to your other iOS devices and Mac computers that are signed into iCloud using the same Apple ID. Instant Hotspot uses your iPhone or iPad Personal Hotspot, without you having to enter a password or even turn on Personal Hotspot.

Use Instant Hotspot. Go to Settings > Wi-Fi on your iPod touch, then simply choose your iPhone or iPad network under Personal Hotspots. On your Mac, choose your iPhone or iPad network from your Wi-Fi settings.

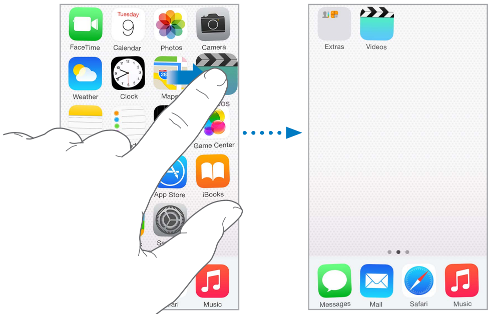
When you're not using using the hotspot, your devices disconnect to save battery life.

Note: This feature may not be available with all carriers. Additional fees may apply. Contact your carrier for more information.

Customize iPod touch

Arrange your apps

Arrange apps. Touch and hold any app on the Home screen until it jiggles, then drag apps around. Drag an app to the edge of the screen to move it to a different Home screen, or to the Dock at the bottom of the screen. Press the Home button to save your arrangement.


Tuesday
9
FaceTime
Calendar
Photos
Camera
Weather
Clock
Game Center
App Store
iBooks
Music
Extras
Videos
Messages
Mail
Safari
Music

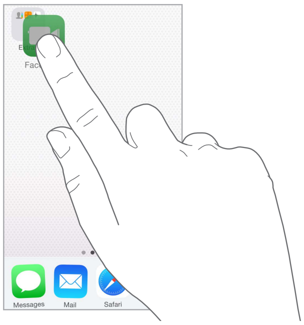
Create a new Home screen. While arranging apps, drag an app to the right edge of the last Home screen. The dots above the Dock show how many Home screens you have, and which one you're viewing.

You can also customize the Home screen using iTunes when iPod touch is connected to your computer. In iTunes, select iPod touch, then click Apps.

Start over. Go to Settings > General > Reset, then tap Reset Home Screen Layout to return the Home screen and apps to their original layout. Folders are removed and the original wallpaper is restored.

Organize with folders

Create a folder. While arranging apps, drag one app onto another. Tap the name of the folder to rename it. Drag apps to add or remove them. Press the Home button when you finish.


Messages
Mail
Safari

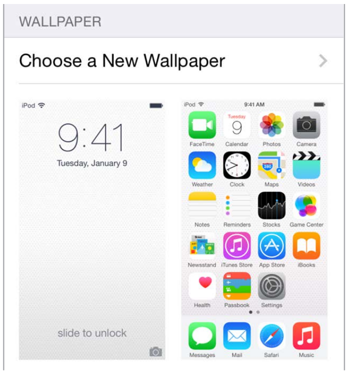
You can have multiple pages of apps in a folder.

Delete a folder. Drag out all the apps—the folder deletes automatically.

Change the wallpaper

Wallpaper settings let you set an image or photo as wallpaper for the Lock screen or Home screen. You can choose from dynamic and still images.

Change the wallpaper. Go to Settings > Wallpaper > Choose a New Wallpaper.


WALLPAPER
Choose a New Wallpaper
iPod
9:41
Tuesday, January 9
slide to unlock
9:41 AM
FaceTime
Calendar
Photos
Camera
Weather
Clock
Maps
Videos
Notes
Reminders
Stocks
Game Center
Newsstand
iTunes Store
App Store
iBooks
Health
Passbook
Settings
Messages
Mail
Safari
Music

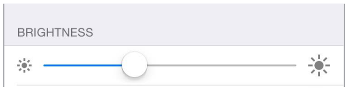
When choosing an image for new wallpaper, the Perspective Zoom button determines whether your selected wallpaper is zoomed. For wallpaper you already set, go to the Wallpaper setting, then tap the image of the Lock screen or Home screen to see the Perspective Zoom button.

Note: The Perspective Zoom button doesn't appear if Reduce Motion (in Accessibility settings) is turned on. See Reduce screen motion on page 137.

Adjust the brightness

Dim the screen to extend battery life.

Adjust the screen brightness. Go to Settings > Display & Brightness, then drag the slider. You can also adjust the brightness in Control Center.

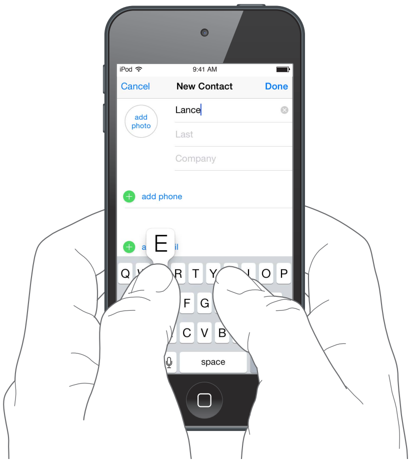

BRIGHTNESS

Type text

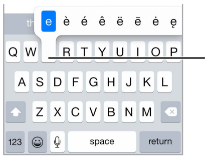
The onscreen keyboard lets you enter text when needed.

Enter text

Tap a text field to see the onscreen keyboard, then tap letters to type. If you touch the wrong key, you can slide your finger to the correct key. The letter isn't entered until you release your finger from the key.



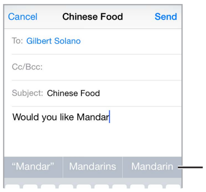
Tap Shift to type uppercase, or touch the Shift key and slide to a letter. Double-tap Shift for caps lock. To enter numbers, punctuation, or symbols, tap the Number key 123 or the Symbol key #+=. If you haven't added any keyboards, tap ☺ to switch to the emoji keyboard. If you have several keyboards, tap 🌐 to switch to the last one you used. Continue tapping to access other enabled keyboards, or touch and hold 🌐, then slide to choose a different keyboard. To quickly end a sentence with a period and a space, just double-tap the space bar.



To type an alternate character, touch and hold a key, then slide to choose one of the options.

If you see a word underlined in red, tap it to see suggested corrections. If the word you want doesn't appear, type the correction.

As you write, the keyboard predicts your next word (not available in all languages). Tap a word to choose it, or accept a highlighted prediction by entering a space or punctuation. When you tap a suggested word, a space appears after the word. If you enter a comma, period, or other punctuation, the space is deleted. Reject a suggestion by tapping your original word (shown as the predictive text option with quotation marks).



Chinese Food

To: Gilbert Solano

Cc/Bcc:

Subject: Chinese Food

Would you like Mandar

"Mandar" | Mandarins | Mandarin

Predictive text

Hide predictive text. Pull down the suggested words. Drag the bar up when you want to see the suggestions again.

Turn off predictive text. Touch and hold ☺ or 🌐, then slide to Predictive.

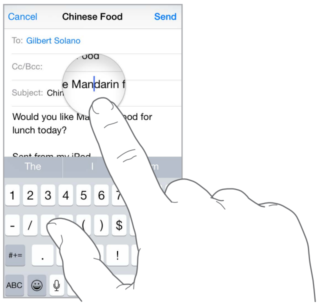
If you turn off predictive text, iPod touch may still try to suggest corrections for misspelled words. Accept a correction by entering a space or punctuation, or by tapping return. To reject a correction, tap the "x." If you reject the same suggestion a few times, iPod touch stops suggesting it.

Set options for typing or add keyboards. Go to Settings > General > Keyboard.

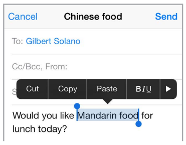
You can also use an Apple Wireless Keyboard to enter text. See Use an Apple Wireless Keyboard on page 28. To dictate instead of typing, see Dictate on page 28.

Edit text

Revise text. Touch and hold the text to show the magnifying glass, then drag to position the insertion point.


Cancel
Chinese Food
Send
To: Gilbert Solano
Cc/Bcc:
Subject: Chin
e Mandarin f
Would you like Ma ood for lunch today?
The
1 2 3 4 5 6 7
- / ( ) $
#+=
.
!
ABC

Select text. Tap the insertion point to display the selection options. Or double-tap a word to select it. Drag the grab points to select more or less text. In read-only documents, such as webpages, touch and hold to select a word.


Cancel
Chinese food
Send
To: Gilbert Solano
Cc/Bcc, From:
Cut
Copy
Paste
B I U
▶

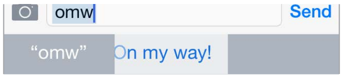
Would you like Mandarin food for lunch today?

You can cut, copy, or paste over selected text. With some apps, you can also get bold, italic, or underlined text (tap B/I/U); get the definition of a word; or have iPod touch suggest an alternative. Tap ▶ to see all the options.

Undo the last edit. Shake iPod touch, then tap Undo.

Save keystrokes

A shortcut lets you enter a word or phrase by typing just a few characters. For example, type "omw" to enter "On my way!" That one's already set up for you, but you can also add your own.


omw
Send
"omw"
On my way!

Create a shortcut. Go to Settings > General > Keyboard, then tap Shortcuts.

Have a word or phrase you use and don't want it corrected? Create a shortcut, but leave the Shortcut field blank.

Use iCloud to keep your personal dictionary up to date on your other devices. Go to Settings > iCloud, then turn on iCloud Drive or Documents & Data.

Use an Apple Wireless Keyboard

You can use an Apple Wireless Keyboard (available separately) to enter text on your iPod touch. The keyboard connects via Bluetooth, so you must first pair it with iPod touch.

Note: The Apple Wireless Keyboard may not support keyboard features that are on your device. For example, it doesn't anticipate your next word or automatically correct misspelled words.

Pair an Apple Wireless Keyboard with iPod touch. Turn on the keyboard, go to Settings > Bluetooth and turn on Bluetooth, then tap the keyboard when it appears in the Devices list.

Once it's paired, the keyboard reconnects to iPod touch whenever it's in range—up to about 33 feet (10 meters). When it's connected, the onscreen keyboard doesn't appear.

Save your batteries. Turn off Bluetooth and the wireless keyboard when not in use. You can turn off Bluetooth ᛒ in Control Center. To turn off the keyboard, hold down the On/off switch until the green light goes off.

Unpair a wireless keyboard. Go to Settings > Bluetooth, tap ⓘ next to the keyboard name, then tap "Forget this Device."

See Bluetooth devices on page 36.

Add or change keyboards

You can turn typing features, such as spell checking, on or off; add keyboards for writing in different languages; and change the layout of your onscreen keyboard or Apple Wireless Keyboard.

Set typing features. Go to Settings > General > Keyboard.

Add a keyboard for another language. Go to Settings > General > Keyboard > Keyboards > Add New Keyboard.

Switch keyboards. If you haven't added any keyboards, tap ☺ to switch to the emoji keyboard. If you have several keyboards, tap 🌐 to switch to the last one you used. Continue tapping to access other enabled keyboards, or touch and hold 🌐, then slide to choose a different keyboard.

For information about international keyboards, see Use international keyboards on page 146.

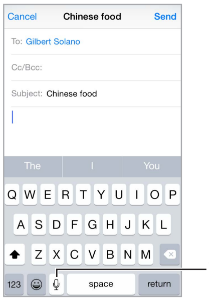
Change the keyboard layout. Go to Settings > General > Keyboard > Keyboards, select a keyboard, then choose a layout.

Dictate

If you like, you can dictate instead of typing on iPod touch. Make sure Enable Dictation is turned on (in Settings > General > Keyboard) and iPod touch is connected to the Internet.

Note: Dictation may not be available in all languages or in all areas, and features may vary.

Dictate text. Tap 🎤 in the onscreen keyboard, then speak. Tap Done when you finish.


Cancel Chinese food Send

To: Gilbert Solano

Cc/Bcc:

Subject: Chinese food

Tap to begin dictation.

Add text. Tap 🎤 again and continue dictating. To insert text, tap to place the insertion point first. You can also replace selected text by dictating.

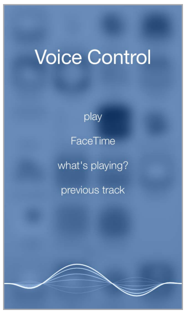
Add punctuation or format text. Say the punctuation or format. For example, "Dear Mary comma the check is in the mail exclamation mark" becomes "Dear Mary, the check is in the mail!" Punctuation and formatting commands include:

- quote … end quote
- new paragraph
- new line
- cap—to capitalize the next word
- caps on … caps off—to capitalize the first character of each word
- all caps—to make the next word all uppercase
- all caps on … all caps off—to make the enclosed words all uppercase
- no caps on … no caps off—to make the enclosed words all lowercase
- no space on … no space off—to run a series of words together
- smiley—to insert :-)
- frowny—to insert :-(
- winky—to insert ;-)

Voice Control

Make FaceTime calls and control music playback with Voice Control. (You can also use Siri to control iPod touch by voice. See Chapter 4, Siri, on page 42.)

Note: Voice Control and Voice Control settings aren't available when Siri is turned on.



Use Voice Control. Turn Siri off in Settings > General > Siri. Then press and hold the Home button until the Voice Control screen appears and you hear a beep.

For best results:

- Speak clearly and naturally.
- Say only Voice Control commands, names, and numbers. Pause slightly between commands.
- Use full names.

Change the language for Voice Control. By default, Voice Control expects you to speak voice commands in the language that's set for iPod touch (in Settings > General > International > Language). To use Voice Control in another language or dialect, go to Settings > General > International > Voice Control.

Voice Control for the Music app is always on, but you can keep Voice Control from dialing FaceTime calls when iPod touch is locked. Go to Settings > Passcode, then turn off Voice Dial.

For specific commands, see Siri and Voice Control on page 64. For more about using Voice Control, including information about using Voice Control in different languages, see support.apple.com/kb/HT3597.

Search

Search apps

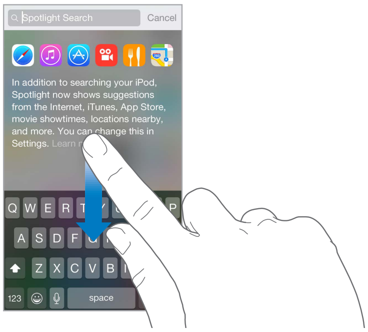
Many apps include a search field where you can type to find something within the app. For example, in the Maps app, you can search for a specific location.

Spotlight Search

Spotlight Search not only searches your iPod touch, but also shows suggestions from the App Store and the Internet. You may see suggestions for movie showtimes, nearby locations, and more.

Search iPod touch. Drag down the middle of any Home screen to reveal the search field. Results occur as you type; to hide the keyboard and see more results on the screen, tap Search. Tap an item in the list to open it.

You can also use Spotlight Search to find and open apps.



In addition to searching your iPod, Spotlight now shows suggestions from the Internet, iTunes, App Store, movie showtimes, locations nearby, and more. You can change this in Settings. Learn m

Choose which apps and content are searched. Go to Settings > General > Spotlight Search, then tap to deselect apps or content. To change the search order, touch and drag ≡ to a new position.

Limit Spotlight Search to your iPod touch. Go to Settings > General > Spotlight Search, then tap Spotlight Suggestions to deselect it.

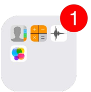
Turn off Location Services for Spotlight Suggestions. Go to Settings > Privacy > Location Services. Tap System Services, then turn off Spotlight Suggestions.

Alerts and Notification Center

Alerts

Alerts let you know about important events. They can appear briefly at the top of the screen, or remain in the center of the screen until you acknowledge them.

Some apps may include a badge on their Home screen icon, to let you know how many new items await—for example, the number of new email messages. If there's a problem—such as a message that couldn't be sent—an exclamation mark (!) appears on the badge. On a folder, a numbered badge indicates the total number of notifications for all the apps inside.



Alerts can also appear on the Lock screen.

Respond to an alert without leaving your current app. Pull down on the alert when it appears at the top of your screen.

Note: This feature works with text and email messages, calendar invitations, and more.

Respond to an alert when iPod touch is locked. Swipe the alert from right to left.

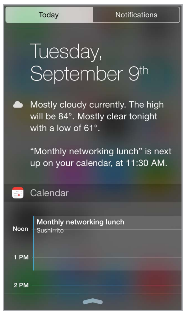
Silence your alerts. Go to Settings > Do Not Disturb.

Set sounds. Go to Settings > Sounds.

Notification Center

Notification Center collects your notifications in one place, so you can review them whenever you're ready. View details about your day—such as the weather forecast, appointments, birthdays, stock quotes, and even a quick summary of what's coming up tomorrow. Tap the Notifications tab to review all your alerts.

Open Notification Center. Swipe down from the top edge of the screen.



Tuesday, September 9th

Mostly cloudy currently. The high will be 84°. Mostly clear tonight with a low of 61°.

"Monthly networking lunch" is next up on your calendar, at 11:30 AM.

Monthly networking lunch
Sushirrito

Set Today options. To choose what information appears, tap the Edit key at the end of your information on the Today tab. Tap + or — to add or remove information. To arrange the order of your information, touch ≡, then drag it to a new position.

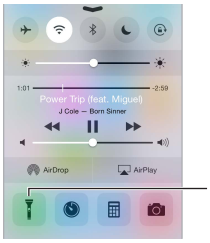
Set notification options. Go to Settings > Notifications. Tap an app to set its notification options. For example, choose to view a notification from the Lock screen. You can also tap Edit to arrange the order of app notifications. Touch ≡, then drag it to a new position.

Choose whether to show Today and Notifications View on a locked screen. Go to Settings > Passcode, then choose whether to allow access when locked.

Close Notification Center. Swipe up, or press the Home button.

Control Center

Control Center gives you instant access to the camera, calculator, AirPlay, and other handy features. You can also adjust the brightness, lock the screen in portrait orientation, turn wireless services on or off, and turn on AirDrop. See AirDrop on page 33.



Models with iSight camera

Open Control Center. Swipe up from the bottom edge of any screen (even the Lock screen).

Open the currently playing audio app. Tap the song title.

Close Control Center. Swipe down, tap the top of the screen, or press the Home button.

Turn off access to Control Center in apps or on the Lock screen. Go to Settings > Control Center.

Sounds and silence

You can change or turn off the sounds iPod touch plays when you get a FaceTime call, text, email, tweet, Facebook post, reminder, or other event.

Set sound options. Go to Settings > Sounds for options such as alert tones and ringtones, and ringer and alert volumes.

If you want to temporarily silence incoming FaceTime calls, alerts, and sound effects, see the following section.

Do Not Disturb

Do Not Disturb is an easy way to silence iPod touch, whether you're going to dinner or to sleep. It keeps FaceTime calls and alerts from making any sounds or lighting up the screen.

Turn on Do Not Disturb. Swipe up from the bottom edge of the screen to open Control Center, then tap ☾. When Do Not Disturb is on, ☾ appears in the status bar.

Note: Alarms still sound, even when Do Not Disturb is on. To make sure iPod touch stays silent, turn it off.

Configure Do Not Disturb. Go to Settings > Do Not Disturb.

You can schedule quiet hours, allow FaceTime calls from your Favorites or groups of contacts, and allow repeated calls to ring through for those emergency situations. You can also set whether Do Not Disturb silences iPod touch only when it's locked, or even when it's unlocked.

Sharing

Share from apps

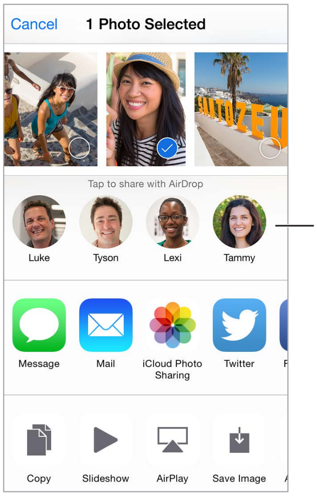
In many apps, you can tap Share or ⇪ to choose how to share your information. The choices vary depending on the app you're using. Additional options may appear if you've downloaded apps with sharing options. For more information, see App extensions on page 22.

Use Twitter, Facebook, Flickr, Vimeo or other third-party apps with sharing options. Sign in to your account in Settings. The third-party sharing buttons take you to the appropriate setting if you're not yet signed in.

Customize the different ways you share, view, and organize your information. Tap the More button, then touch and drag ≡ to move items to new positions.

AirDrop

AirDrop lets you share your photos, videos, websites, locations, and other items wirelessly with other nearby devices (iOS 7 or later). With iOS 8, you can share with Mac computers that have OS X Yosemite installed. AirDrop transfers information using Wi-Fi and Bluetooth. To use AirDrop, you need to be signed into iCloud using your Apple ID, and must be on the same Wi-Fi network, or within approximately 33 feet (10 meters) of the other device. Transfers are encrypted for security.



Tap to share with a nearby friend using AirDrop.

Share an item using AirDrop. Tap Share, tap AirDrop, then tap the name of a nearby AirDrop user. AirDrop is also available in Control Center—just swipe up from the bottom edge of the screen to open Control Center.

Receive AirDrop items from others. Swipe up from the bottom edge of the screen to open Control Center. Tap AirDrop, then choose to receive items from Contacts Only or from Everyone. You can accept or decline each request as it arrives.

Family Sharing

With Family Sharing, up to six family members can share their iTunes Store, App Store, and iBooks Store purchases, a family calendar, and family photos, all without sharing accounts.

One adult in your household—the family organizer—invites family members to join the family group and agrees to pay for any iTunes Store, App Store, and iBooks Store purchases those family members initiate while part of the family group. Once set up, family members get immediate access to each other's music, movies, TV shows, books, and eligible apps. In addition, family members can easily share photos in a shared family album, add events to a family calendar, share their location with other family members, and even help locate another family member's missing device.

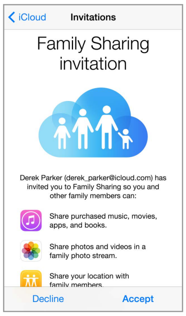
Children under 13 can participate in Family Sharing, too. As a parent or legal guardian, the family organizer can provide parental consent for a child to have his or her own Apple ID, and create it on the child's behalf. Once the account is created, it's added to the family group automatically.

Family Sharing requires you to sign in to iCloud with your Apple ID. You will also be asked to confirm the Apple ID you use for the iTunes Store, App Store, and iBooks Store. It is available on devices with iOS 8, Mac computers with OS X Yosemite, and PCs with iCloud for Windows 4.0. You can be part of only one family group at a time.

Set up Family Sharing. Go to Settings > iCloud > Set Up Family Sharing. Follow the onscreen instructions to set up Family Sharing as the family organizer, then invite family members to join.

Create an Apple ID for a child. Go to Settings > iCloud > Family, scroll to the bottom of the screen, then tap Create an Apple ID for a child.

Accept an invitation to Family Sharing. Make sure you are signed into iCloud, and that you can accept a Family Sharing invitation from your iOS device (iOS 8 required), Mac (OS X Yosemite required), or PC (iCloud for Windows 4.0 required). Or, if the organizer is nearby during the setup process, he or she can simply ask you to enter the Apple ID and password you use for iCloud.



Family Sharing invitation

Derek Parker (derek_parker@icloud.com) has invited you to Family Sharing so you and other family members can:

Share purchased music, movies, apps, and books.

Share photos and videos in a family photo stream.

Share your location with family members.

Access shared iTunes Store, App Store, and iBooks Store purchases. Open iTunes Store, iBooks Store, or App Store, tap Purchased, then choose a family member from the menu that appears.

When a family member initiates a purchase, it is billed directly to the family organizer's account. Once purchased, the item is added to the initiating family member's account and is shared with the rest of the family. If Family Sharing is ever disabled, each person keeps the items they chose to purchase—even if they were paid for by the family organizer.

Turn on Ask to Buy. The family organizer can require young family members to request approval for purchases or free downloads. Go to Settings > iCloud > Family, then tap the person's name.

Note: Age restrictions for Ask to Buy vary by area. In the United States, the family organizer can enable Ask to Buy for any family member under age 18; for children under age 13, it's enabled by default.

Hide your iTunes Store, App Store, and iBooks Store purchases. Open iTunes on your computer, then click iTunes Store. Under Quick Links, click Purchased, then choose the content type (for example, Music or Movies). Hover over the item you want to hide, then click ⊗. To make purchases visible again, return to Quick Links, then click Account. Scroll down to iTunes in the Cloud, then click Manage (to the right of Hidden Purchases).

Share photos or videos with family members. When you set up Family Sharing, a shared album called "Family" is automatically created in the Photos app on all family members' devices. To share a photo or video with family members, open the Photos app, then view a photo or video or select multiple photos or videos. Tap ⇧, tap iCloud Photo Sharing, add comments, then share to your shared family album. See iCloud Photo Sharing on page 74.

Add an event to the family calendar. When you set up Family Sharing, a shared calendar called "Family" is automatically created in the Calendar app on all family members' devices. To add a family event, open the Calendar app, create an event, then choose to add the event to the family calendar. See Share iCloud calendars on page 70.

Set up a family reminder. When you set up Family Sharing, a shared list is automatically created in the Reminders app on all family members' devices. To add a reminder to the family list, open the Reminders app, tap the family list, then add a reminder to the list. See Reminders at a glance on page 94.

Share your location with family members. Family members can share their location by tapping Settings > iCloud > Share My Location (under Advanced). To find a family member's location, use the Find My Friends app (download it for free from the App Store). Or use the Messages app (iOS 8 required). For more information about using Messages to share or view locations, see Share photos, videos, your location, and more on page 46.

Keep track of your family's devices. If family members have enabled Share My Location in iCloud, you can help them locate missing devices. Open Find My iPhone on your device or at iCloud.com. For more information, see Find My iPod touch on page 39.

Leave Family Sharing. Go to Settings > iCloud > Family, then tap Leave Family Sharing. If you are the organizer, go to Settings > iCloud > Family, tap your name, then tap Stop Family Sharing. For more information, see support.apple.com/kb/HT201081.

iCloud Drive

About iCloud Drive

iCloud Drive stores your presentations, spreadsheets, PDFs, images, and other kinds of documents in iCloud so you can access these documents from any of your devices set up with iCloud. It allows your apps to share documents so you can work on the same file across multiple apps.

iCloud Drive works with devices using iOS 8, Mac computers using OS X Yosemite, PCs with iCloud for Windows 4.0, or through iCloud.com. To access iCloud Drive, you must be signed into iCloud using your Apple ID. iCloud Drive works with supported apps including Pages, Numbers, Keynote, GarageBand, and some third-party apps.

Set up iCloud Drive

You can set up iCloud Drive using Setup Assistant when you install iOS 8, or you can set it up later in Settings. iCloud Drive is an upgrade to Documents & Data. When you upgrade to iCloud Drive, your documents are copied to iCloud Drive and become available on your devices using iCloud Drive. You won't be able to access the documents stored in iCloud Drive on your other devices until they are also upgraded to iOS 8 or OS X Yosemite. For more information about upgrading to iCloud Drive, see support.apple.com/kb/HT6345.

Set up iCloud Drive. Go to Settings > iCloud > iCloud Drive, then turn on iCloud Drive and follow the onscreen instructions.

Transfer files

There are several ways to transfer files between your iPod touch and your computer or other iOS device.

Transfer files using iTunes. Connect iPod touch to your computer using the included cable. In iTunes on your computer, select iPod touch, then click Apps. Use the File Sharing section to transfer documents between iPod touch and your computer. Apps that support file sharing appear in the File Sharing Apps list in iTunes. To delete a file, select it in the Documents list, then press the Delete key.

You can also view files received as email attachments on iPod touch.

With some apps, you can transfer files using AirDrop. See AirDrop on page 33.

AirPlay

Use AirPlay to stream music, photos, and video wirelessly to Apple TV and other AirPlay-enabled devices. If you don't see your AirPlay-enabled devices when you tap ▭, you may also need to make sure everything is on the same Wi-Fi network.

Display the AirPlay controls. Swipe up from the bottom edge of the screen to open Control Center, then tap ▭.

Stream content. Tap ▭, then choose the device you want to stream to.

Switch back to iPod touch. Tap ▭, then choose iPod touch.

Mirror the iPod touch screen on a TV. Tap ▭, choose an Apple TV, then tap Mirroring. A blue bar appears at the top of the iPod touch screen when AirPlay mirroring is turned on.

You can also connect iPod touch to a TV, projector, or other external display using the appropriate Apple cable or adapter. See support.apple.com/kb/HT4108.

AirPrint

Use AirPrint to print wirelessly to an AirPrint-enabled printer from apps such as Mail, Photos, and Safari. Many apps available on the App Store also support AirPrint.

iPod touch and the printer must be on the same Wi-Fi network. For more information about AirPrint, see support.apple.com/kb/HT4356.

Print a document. Tap ↩ or ⇧ (depending on the app you're using).

See the status of a print job. Double-click the Home button, then tap Print Center. The badge on the icon shows how many documents are in the queue.

Cancel a job. Select it in the Print Center, then tap Cancel Printing.

Bluetooth devices

You can use Bluetooth devices with iPod touch, such as stereo headphones or an Apple Wireless Keyboard. For supported Bluetooth profiles, go to support.apple.com/kb/HT3647.

WARNING: For important information about avoiding hearing loss and avoiding distractions that could lead to dangerous situations, see Important safety information on page 149.

Note: The use of certain accessories with iPod touch may affect wireless performance. Not all iPhone and iPad accessories are fully compatible with iPod touch. Turning on airplane mode may eliminate audio interference between iPod touch and an accessory. Reorienting or relocating iPod touch and the connected accessory may improve wireless performance.

Turn on Bluetooth. Go to Settings > Bluetooth.

Connect to a Bluetooth device. Tap the device in the Devices list, then follow the onscreen instructions to connect to it. See the documentation that came with the device for information about Bluetooth pairing. For information about using an Apple Wireless Keyboard, see Use an Apple Wireless Keyboard on page 28.

iPod touch must be within about 33 feet (10 meters) of the Bluetooth device.

Return audio output to iPod touch. Turn off or unpair the device, turn off Bluetooth in Settings > Bluetooth, or use AirPlay ▭ to switch audio output to iPod touch. See AirPlay on page 36. Audio output returns to iPod touch whenever the Bluetooth device is out of range.

Unpair a device. In Settings > Bluetooth, tap ⓘ next to the device, then tap "Forget this Device." If you don't see the Devices list, make sure Bluetooth is on.

Restrictions

You can set restrictions for some apps, and for purchased content. For example, parents can restrict explicit music from appearing in playlists, or disallow changes to certain settings. Use restrictions to prevent the use of certain apps, the installation of new apps, or changes to accounts or the volume limit.

Turn on restrictions. Go to Settings > General > Restrictions, then tap Enable Restrictions. You'll be asked to define a restrictions passcode that's necessary in order to change the settings you make. This can be different than the passcode for unlocking iPod touch.

Important: If you forget your restrictions passcode, you must restore the iPod touch software. See Restore iPod touch on page 156.

Privacy

Privacy settings let you see and control which apps and system services have access to Location Services, and to contacts, calendars, reminders, and photos.

Location Services lets location-based apps such as Maps, Camera, and Passbook gather and use data indicating your location. Your approximate location is determined using available information from local Wi-Fi networks (if you have Wi-Fi turned on). The location data collected by Apple isn't collected in a form that personally identifies you. When an app is using Location Services, ➤ appears in the status bar.

Turn Location Services on or off. Go to Settings > Privacy > Location Services. You can turn it off for some or for all apps and services. If you turn off Location Services, you're prompted to turn it on again the next time an app or service tries to use it.

Turn Location Services off for system services. Several system services, such as location-based ads, use Location Services. To see their status, turn them on or off, or show ➤ in the menu bar when these services use your location, go to Settings > Privacy > Location Services > System Services.

Turn off access to private information. Go to Settings > Privacy. You can see which apps and features have requested and been granted access to the following information:

- Contacts
- Calendars
- Reminders
- Photos
- Bluetooth Sharing
- Microphone
- Camera
- Health
- HomeKit

- Twitter
- Facebook

You can turn off each app's access to each category of information. Review the terms and privacy policy for each third-party app to understand how it uses the data it's requesting. For more information, see support.apple.com/kb/HT6338.

Security

Security features help protect the information on your iPod touch from being accessed by others.

Use a passcode with data protection

For better security, you can set a passcode that must be entered each time you turn on or wake up iPod touch.

Set a passcode. Go to Settings > Passcode, then set a 4-digit passcode.

Setting a passcode turns on data protection, using your passcode as a key to encrypt Mail messages and attachments stored on iPod touch, using 256-bit AES encryption. (Other apps may also use data protection.)

Increase security. Turn off Simple Passcode and use a longer passcode. To enter a passcode that's a combination of numbers and letters, you use the keyboard. If you prefer to unlock iPod touch using the numeric keypad, set up a longer passcode using numbers only.

Allow access to features when iPod touch is locked. Go to Settings > Passcode. Optional features include:

- Today
- Notifications View
- Siri (if enabled; see Siri settings on page 43)
- Passbook (see Chapter 26, Passbook, on page 112)
- Reply with Message (see Make and answer calls on page 66)

Allow access to Control Center when iPod touch is locked. Go to Settings > Control Center. See Control Center on page 32.

Erase data after ten failed passcode attempts. Go to Settings > Passcode and tap Erase Data. After ten failed passcode attempts, all settings are reset, and all your information and media are erased by removing the encryption key to the data.

If you forget your passcode, you must restore the iPod touch software. See Restore iPod touch on page 156.

iCloud Keychain

iCloud Keychain keeps your Safari website user names and passwords, credit card information, and Wi-Fi network information up to date. iCloud Keychain works on all your approved devices (iOS 7 or later) and Mac computers (OS X Mavericks or later).

iCloud Keychain works with Safari Password Generator and AutoFill. When you're setting up a new account, Safari Password Generator suggests unique, hard-to-guess passwords. You can use AutoFill to have iPod touch enter your user name and password info, making login easy. See Fill in forms on page 56.

Note: Some websites do not support AutoFill.

iCloud Keychain is secured with 256-bit AES encryption during storage and transmission, and cannot be read by Apple.

Set up iCloud Keychain. Go to Settings > iCloud > Keychain. Turn on iCloud Keychain, then follow the onscreen instructions. If you've set up iCloud Keychain on other devices, you need to approve the use of iCloud Keychain from one of those devices, or use your iCloud Security Code.

Important: If you forget your security code, you'll have to start over and set up your iCloud Keychain again.

Set up AutoFill. Go to Settings > Safari > Passwords & AutoFill. Make sure Names and Passwords, and Credit Cards, are turned on (they're on by default). To add credit card info, tap Saved Credit Cards.

The security code for your credit card is not saved—you have to enter that manually.

To automatically fill in names, passwords, or credit card info on sites that support it, tap a text field, then tap AutoFill.

To protect your personal information, set a passcode if you turn on iCloud Keychain and AutoFill.

Limit Ad Tracking

Restrict or reset Ad Tracking. Go to Settings > Privacy > Advertising. Turn on Limit Ad Tracking to prevent apps from accessing your iPod touch advertising identifier. For more information, tap About Advertising & Privacy.

Find My iPod touch

Find My iPod touch can help you locate and secure your iPod touch using the free Find My iPhone app (available in the App Store) on another iPod touch, iPhone, or iPad, or using a Mac or PC web browser signed into www.icloud.com/find. Find My iPod touch includes Activation Lock, which is designed to prevent anyone else from using your iPod touch if you ever lose it. Your Apple ID and password are required to turn off Find My iPod touch, or to erase and reactivate your iPod touch.

Turn on Find My iPod touch. Go to Settings > iCloud > Find My iPod touch.

Important: To use these features, Find My iPod touch must be turned on *before* your iPod touch is lost. iPod touch must be able to connect to the Internet for you to locate and secure the device.

Use Find My iPhone. Open the Find My iPhone app on an iOS device, or go to www.icloud.com/find on your computer. Sign in and select your device.

- *Play Sound:* Play a sound at full volume for two minutes, even if the ringer is set to silent.
- *Lost Mode:* Immediately lock your missing iPod touch with a passcode and send it a message displaying a contact number. iPod touch also tracks and reports its location, so you can see where it's been when you check the Find My iPhone app.
- *Erase iPod touch:* Protect your privacy by erasing all the information and media on your iPod touch and restoring it to its original factory settings.

Note: Before selling or giving away your iPod touch, you should erase it completely to remove all your personal data, and turn off Find My iPod touch to ensure the next owner can activate and use the device normally. Go to Settings > General > Reset > Erase All Content and Settings. See Sell or give away iPod touch on page 156.

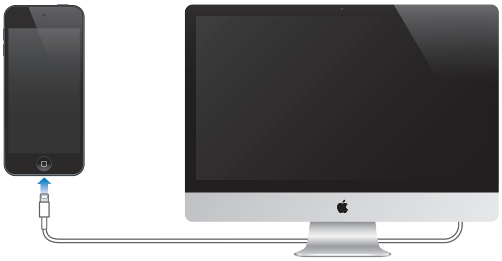
Charge and monitor the battery

iPod touch has an internal, lithium-ion rechargeable battery. For more information about the battery—including tips for maximizing battery life—see www.apple.com/batteries.

> *WARNING:* For important safety information about the battery and charging iPod touch, see Important safety information on page 149.

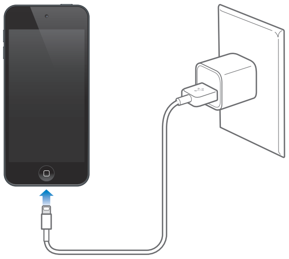
Charge the battery. Connect iPod touch to your computer using the included cable. You can sync iPod touch with iTunes at the same time. It may take longer to charge, however, if you sync or use iPod touch while it is charging.

Unless your keyboard has a high-power USB 2.0 or 3.0 port, you must connect iPod touch to a USB 2.0 or 3.0 port on your computer.



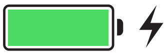
Important: The iPod touch battery may drain instead of charge if iPod touch is connected to a computer that's turned off or is in sleep or standby mode.

Charge the battery using a power adapter. Connect iPod touch to a power outlet using the included cable and a USB power adapter (available separately).



Note: Connecting iPod touch to a power outlet can start an iCloud backup or wireless iTunes syncing. See Back up iPod touch on page 154 and Sync with iTunes on page 17.

The battery icon in the upper-right corner shows the battery level or charging status.



Important: If iPod touch is very low on power, it may display an image of a nearly depleted battery, indicating that iPod touch needs to charge for up to ten minutes before you can use it. If iPod touch is extremely low on power, the display may be blank for up to two minutes before one of the low-battery images appears.

Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. The iPod touch battery isn't user replaceable; it can be replaced only by an Apple Authorized Service Provider. See www.apple.com/batteries/replacement-and-recycling.html.

Travel with iPod touch

Some airlines let you keep your iPod touch turned on if you switch to Airplane Mode. Wi-Fi and Bluetooth are disabled so you can't make or receive FaceTime calls or use features that require wireless communication, but you can listen to music, play games, watch videos, or use other apps that don't require Internet access. If the airline allows it, you can turn Wi-Fi or Bluetooth back on to enable those services, even while in Airplane Mode.

Turn on Airplane Mode. Swipe up from the bottom edge of the screen to open Control Center, then tap ✈. You can also turn Airplane Mode on or off in Settings. When airplane mode is on, ✈ appears in the status bar at the top of the screen.

Wi-Fi and Bluetooth can also be turned on or off in Control Center.

Siri

4

Make requests

Siri lets you speak to iPod touch to send messages, schedule meetings, make FaceTime calls, and much more. Siri understands natural speech, so you don't have to learn special commands or keywords. Ask Siri anything, from "set the timer for 3 minutes" to "what movies are showing tonight?" Open apps, and turn features like Airplane Mode, Bluetooth, Do Not Disturb, and VoiceOver on or off. Siri is great for keeping you updated with the latest sports info, helping you decide on a restaurant, and searching the iTunes Store or App Store for purchases.

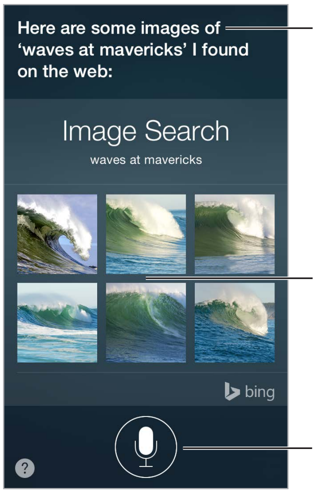
Note: To use Siri, iPod touch must be connected to the Internet. See Connect to the Internet on page 14.

Summon Siri. Press and hold the Home button until Siri beeps, then make your request.

Control when Siri listens. Instead of letting Siri notice when you stop talking, you can continue to hold down the Home button while you speak, and release it when you finish.

Hey Siri. With iPod touch connected to a power source (or if you've already started a conversation with Siri), you can use Siri without even pressing the Home button. Just say "Hey Siri," then make your request. To turn Hey Siri on or off, go to Settings > General > Siri > Allow "Hey Siri".

If you're using a headset, you can use the center or call button in place of the Home button.



Here are some images of 'waves at mavericks' I found on the web:

Siri's response

Often you can tap the screen for additional info or further action.

Tap to speak to Siri.

For hints, ask Siri "what can you do," or tap ?.

Depending on your request, the onscreen response from Siri often includes information or images that you can tap for additional detail, or to perform some other action like searching the web or opening a related app.

Change the voice gender for Siri. Go to Settings > General > Siri (may not be available in all areas).

Adjust the volume for Siri. Use the volume buttons while you're interacting with Siri.

Tell Siri about yourself

If you tell Siri about yourself—including things like your home and work addresses, and your relationships—you can get personalized service like, "remind me to call my wife" or "get directions to home."

Tell Siri who you are. Fill out your info card in Contacts, then go to Settings > General > Siri > My Info and tap your name.

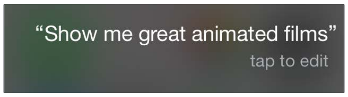
To let Siri know about a relationship, say something like "Emily Parker is my wife."

Note: Siri uses Location Services when your requests require knowing your location. See Privacy on page 37.

Make corrections

Want to cancel that last command? Say "cancel," tap the Siri icon, or press the Home button.

If Siri doesn't get something right, you can tap to edit your request.



"Show me great animated films"

tap to edit

Or tap 🎤 again, then clarify your request verbally.

Siri settings

To set options for Siri, go to Settings > General > Siri. Options include:

- Turning Siri on or off
- Turning Allow "Hey Siri" on or off
- Language
- Voice gender (may not be available in all areas)
- Voice feedback
- My Info card

Prevent access to Siri when iPod touch is locked. Go to Settings > Passcode. You can also disable Siri by turning on restrictions. See Restrictions on page 37.

Messages

5

iMessage service

With the Messages app and the built-in iMessage feature, you can send text messages over Wi-Fi to others using iOS 5 or later, or OS X Mountain Lion or later. Messages can include photos, videos, and other info. You can see when people are typing, and let them know when you've read their messages. If you're signed into iMessage using the same Apple ID on other iOS devices or a Mac (OS X Mavericks or later), you can start a conversation on one device and continue it on another. For security, messages you send with iMessage are encrypted before they're sent.

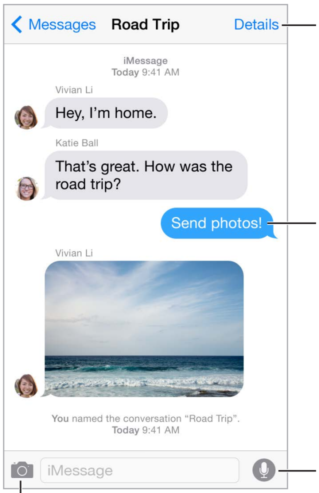
If you have an iPhone (iOS 8) signed into iMessage using the same Apple ID, you can also send and receive SMS and MMS messages on your iPod touch. Charges may apply to the text messaging service for your iPhone.

WARNING: For important information about avoiding distractions that could lead to dangerous situations, see Important safety information on page 149.

Note: Cellular data charges or additional fees may apply for iPhone and iPad users you exchange messages with over their cellular data network.

Send and receive messages

Start a conversation. Tap ✎, then enter a phone number or email address, or tap ⊕, then choose a contact. You can also start a conversation by tapping a phone number in Contacts, Calendar, or Safari, or from a recent contact in the multitasking screen.



iMessage
Today 9:41 AM

Vivian Li
Hey, I'm home.

Katie Ball
That's great. How was the road trip?

Send photos!

Vivian Li

You named the conversation "Road Trip".
Today 9:41 AM

Get info, make a voice or FaceTime call, share your location, or mute notifications.

Blue indicates an iMessage conversation.

Add your voice to the conversation.

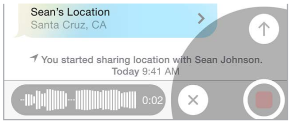
Send a photo or video.

An alert badge (!) appears if a message can't be sent. Tap the alert in a conversation to try sending the message again.

Resume a conversation. Tap the conversation in the Messages list.

Use picture characters. Go to Settings > General > Keyboard > Keyboards > Add New Keyboard, then tap Emoji to make that keyboard available. When you type a message, tap ☺ to change to the Emoji keyboard. See Special input methods on page 147.

Tap to Talk. Touch and hold 🎙 to record a message, then swipe up to send it. To delete it, swipe left.



Sean's Location
Santa Cruz, CA

You started sharing location with Sean Johnson.
Today 9:41 AM

To save space, Tap to Talk audio messages that you receive are deleted automatically two minutes after you listen to them, unless you tap Keep. To keep them automatically, go to Settings > Messages > Expire (under Audio Messages), then tap Never.

See what time a message was sent or received. Drag any bubble to the left.

See a person's contact info. In a conversation, tap Details, then tap ⓘ. Tap the info items to perform actions, such as making a FaceTime call.

Send messages to a group. Tap ✎, then enter multiple recipients.

Give a group a name. While viewing the conversation, tap Details, then drag down and enter the name in the Subject line.

Add someone to a group. Tap the To field, then tap Add Contact.

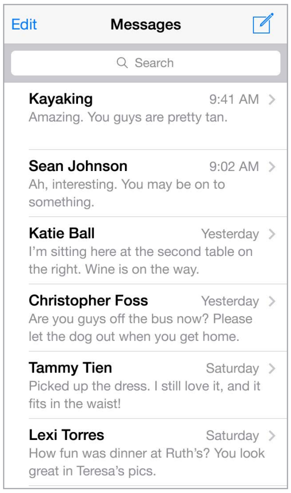
Leave a group. Tap Details, then tap Leave this Conversation.

Keep it quiet. Tap Details, then turn on Do Not Disturb to mute notifications for the conversation.

Block unwanted messages. On a contact card, tap Block this Caller. You can see someone's contact card while viewing a message by tapping Details, then tapping ⓘ. You can also block callers in Settings > Messages > Blocked. You will not receive FaceTime calls or text messages from blocked callers. For more information about blocking calls, see support.apple.com/kb/HT5845.

Manage conversations

Conversations are saved in the Messages list. A blue dot ● indicates unread messages. Tap a conversation to view or continue it.



Kayaking 9:41 AM
Amazing. You guys are pretty tan.

Sean Johnson 9:02 AM
Ah, interesting. You may be on to something.

Katie Ball Yesterday
I'm sitting here at the second table on the right. Wine is on the way.

Christopher Foss Yesterday
Are you guys off the bus now? Please let the dog out when you get home.

Tammy Tien Saturday
Picked up the dress. I still love it, and it fits in the waist!

Lexi Torres Saturday
How fun was dinner at Ruth's? You look great in Teresa's pics.

View the Messages list. From a conversation, tap Messages or swipe to the right.

Forward a message or attachment. Touch and hold a message or attachment, tap More, select additional items if desired, then tap ↪.

Delete a message. Touch and hold a message or attachment, tap More, select additional items if desired, then tap 🗑.

Delete a conversation. In the Messages list, swipe the conversation to the left, then tap Delete.

Search conversations. In the Messages list, tap the top of the screen to display the search field, then enter the text you're looking for. You can also search conversations from the Home screen. See Spotlight Search on page 30.

Share photos, videos, your location, and more

You can send photos, videos, locations, contact info, and voice memos. The size limit of attachments is determined by your service provider—iPod touch may compress photo and video attachments when necessary.

Quickly take and send a photo or video. Touch and hold 📷. Then slide to ◉ or ● to take a photo or video. Photos are sent immediately. Tap ▶ to preview your video. To send your Video Message, tap ⬆.

To save space, Video Messages that you receive are deleted automatically two minutes after you view them, unless you tap Keep. To keep them automatically, go to Settings > Messages > Expire (under Video Messages), then tap Never.

Send photos and videos from your Photos library. Tap 📷. Recent shots are right there; tap Photo Library for older ones. Select the items you want to send.

View attachments. While viewing a conversation, tap Details. Attachments are shown in reverse chronological order at the bottom of the screen. Tap an attachment to see it in full screen. In full-screen mode, tap ☰ to view the attachments as a list.

Keep audio or video attachments. Audio or video attachments that you receive are deleted automatically in two minutes unless you tap Keep.

Send your current location. Tap Details, then tap Send My Current Location to send a map that shows where you are.

Share your location. Tap Details, then tap Share My Location and specify the length of time. The person you're texting can see your location by tapping Details. To turn Share My Location on or off, or to select the device that determines your location, go to Settings > iCloud > Share My Location (under Advanced).

Send items from another app. In the other app, tap Share or ⇪, then tap Message.

Share, save, or print an attachment. Tap the attachment, then tap ⇪.

Copy a photo or video. Touch and hold the attachment, then tap Copy.

Messages settings

Go to Settings > Messages, where you can:

- Turn iMessage on or off
- Notify others when you've read their messages
- Specify phone numbers, Apple IDs, and email addresses to use with Messages
- Show the Subject field
- Block unwanted messages
- Set how long to keep messages
- Manage the expiration of audio messages and video messages created within Messages (audio or video attachments created outside of Messages are kept until you delete them manually)

Manage notifications for messages. See Do Not Disturb on page 32.

Set the alert sound for incoming text messages. See Sounds and silence on page 32.

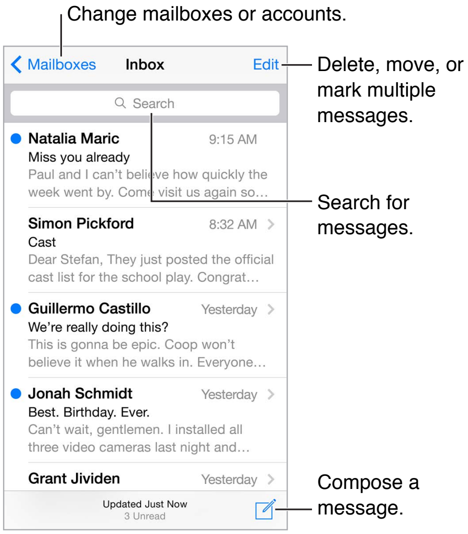
Mail

6

Write messages

Mail lets you access all of your email accounts, on the go.

> ***WARNING:*** For important information about avoiding distractions that could lead to dangerous situations, see Important safety information on page 149.



Change mailboxes or accounts.

Delete, move, or mark multiple messages.

Search for messages.

Compose a message.

Natalia Maric 9:15 AM
Miss you already
Paul and I can't believe how quickly the week went by. Come visit us again so…

Simon Pickford 8:32 AM
Cast
Dear Stefan, They just posted the official cast list for the school play. Congrat…

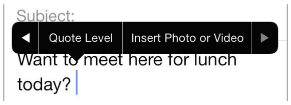
Guillermo Castillo Yesterday
We're really doing this?
This is gonna be epic. Coop won't believe it when he walks in. Everyone…

Jonah Schmidt Yesterday
Best. Birthday. Ever.
Can't wait, gentlemen. I installed all three video cameras last night and…

Grant Jividen Yesterday

Insert a photo or video. Tap the insertion point. Tap the arrows to see more choices. Also see Edit text on page 27.

Quote some text when you reply. Tap the insertion point, then select the text you want to include. Tap ↩, then tap Reply. You can turn off the indentation of the quoted text in Settings > Mail, Contacts, Calendars > Increase Quote Level.



Want to meet here for lunch today?

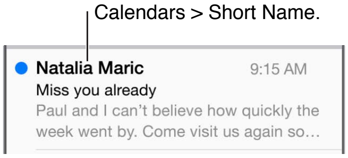
Send a message from a different account. Tap the From field to choose an account.

Change a recipient from Cc to Bcc. After you enter recipients, you can drag them from one field to another or change their order.

Mark addresses outside certain domains. When you're addressing a message to a recipient that's not in your organization's domain, Mail can color the recipient's name red to alert you. Go to Settings > Mail, Contacts, Calendars > Mark Addresses and define the domains that you don't want marked. You can enter multiple domains separated by commas, such as "apple.com, example.org."

Get a sneak peek

Change how names are displayed in Settings > Mail, Contacts, Calendars > Short Name.



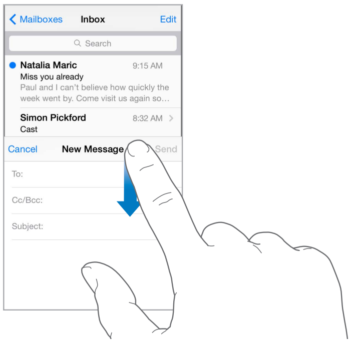
Natalia Maric 9:15 AM
Miss you already
Paul and I can't believe how quickly the week went by. Come visit us again so…

See a longer preview. Go to Settings > Mail, Contacts, Calendars > Preview. You can show up to five lines.

Is this message for me? Go to Settings > Mail, Contacts, Calendars, then turn on Show To/Cc Label. If the label says Cc instead of To, you were just copied. You can also use the To/Cc mailbox, which gathers all mail addressed to you. To show it, tap Edit while viewing the Mailboxes list.

Finish a message later

Look at another message while you're writing one. Swipe down on the title bar of a message you're writing. When you're ready to return to your message, tap its title at the bottom of the screen. If you have more than one message waiting to be finished, tap the bottom of the screen to see them all.



Natalia Maric 9:15 AM
Miss you already
Paul and I can't believe how quickly the week went by. Come visit us again so…

Simon Pickford 8:32 AM
Cast

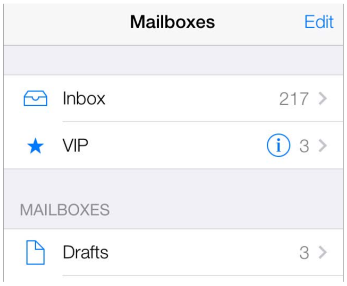
Save a draft for later. If you're writing a message and want to finish it later, tap Cancel, then tap Save Draft. To get it back, touch and hold Compose.

With OS X Yosemite, you can also hand off unfinished messages with your Mac. See About Continuity features on page 23.

See important messages

Get notified of replies to a message or thread. Tap ⚐, then tap Notify Me. While you're writing a message, you can also tap 🔔 in the Subject field. To change how notifications appear, go to Settings > Notifications > Mail > Thread Notifications.

Gather important messages. Add important people to your VIP list, so all their messages appear in the VIP mailbox. Tap the sender's name in a message, then tap Add to VIP. To change how notifications appear, go to Settings > Notifications > Mail > VIP.



Flag a message so you can find it later. Tap ⚐ while reading the message. To change the appearance of the flagged message indicator, go to Settings > Mail, Contacts, Calendars > Flag Style. To see the Flagged mailbox, tap Edit while viewing the Mailboxes list, then tap Flagged.

Search for a message. Scroll to or tap the top of the message list to reveal the search field. Searching looks at the address fields, the subject, and the message body. To search multiple accounts at once, search from a smart mailbox, such as All Sent.

Search by timeframe. Scroll to or tap the top of the message list to reveal the search field, then type something like "February meeting" to find all messages from February with the word "meeting."

Search by message state. To find all flagged, unread messages from people in your VIP list, type "flag unread vip." You can also search for other message attributes, such as "attachment."

Junk, be gone! Tap ⚐ while you're reading a message, then tap Move to Junk to file it in the Junk folder. If you accidentally move a message, shake iPod touch immediately to undo.

Make a favorite mailbox. Favorite mailboxes appear at the top of the Mailboxes list. To add a favorite, view the Mailboxes list and tap Edit. Tap Add Mailbox, then select the mailbox to add. You'll also get push notifications for your favorite mailboxes.

Show draft messages from all of your accounts. While viewing the Mailboxes list, tap Edit, tap Add Mailbox, then turn on the All Drafts mailbox.

Attachments

Save a photo or video to Photos. Touch and hold the photo or video until a menu appears, then tap Save Image.

Open an attachment with another app. Touch and hold the attachment until a menu appears, then tap the app you want to use to open the attachment. Some attachments automatically show a banner with buttons you can use to open other apps.

See messages with attachments. The Attachments mailbox shows messages with attachments from all accounts. To add it, view the Mailboxes list and tap Edit.

Work with multiple messages

Delete, move, or mark multiple messages. While viewing a list of messages, tap Edit. Select some messages, then choose an action. If you make a mistake, shake iPod touch immediately to undo.

Manage a message with a swipe. While viewing a list of messages, swipe a message to the left to reveal a menu of actions. Swipe all the way to the left to select the first action. You can also swipe a message to the right to reveal another action. Choose the actions you want to appear in Settings > Mail, Contacts, Calendars > Swipe Options.

Organize your mail with mailboxes. Tap Edit in the Mailboxes list to create a new one, or rename or delete one. (Some built-in mailboxes can't be changed.) There are several smart mailboxes, such as Unread, that show messages from all your accounts. Tap the ones you want to use.

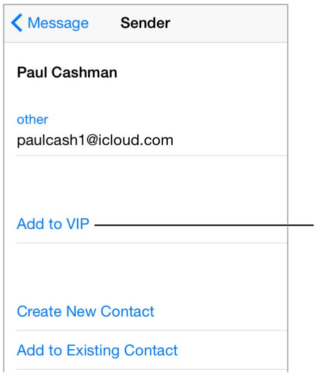
Recover a deleted message. Go to the account's Trash mailbox, open the message, then tap 📁 and move the message. Or, if you just deleted it, shake iPod touch to undo. To see deleted messages across all your accounts, add the Trash mailbox. To add it, tap Edit in the Mailboxes list and select it from the list.

Archive instead of delete. Instead of deleting messages, you can archive them so they're still around if you need them. Select Archive Mailbox in Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced. To delete a message instead of archiving it, touch and hold 🗃, then tap Delete.

Stash your trash. You can set how long deleted messages stay in the Trash mailbox. Go to Settings > Mail, Contacts, Calendars > *account name* > Account > Advanced.

See and save addresses

Add someone to Contacts or make them a VIP. Tap the person's name or email address, then tap Add to VIP. You can also add their address to a new or existing contact.



Paul Cashman

other
paulcash1@icloud.com

Mark person as a VIP.

See who received a message. While viewing the message, tap More in the To field.

Print messages

Print a message. Tap ↩, then tap Print.

Print an attachment or picture. Tap to view it, then tap ↩ and choose Print.

See AirPrint on page 36.

Mail settings

Go to Settings > Mail, Contacts, Calendars, where you can:

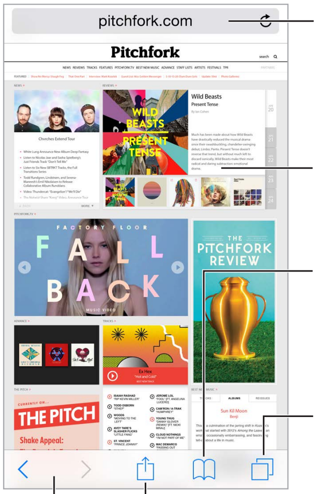
- Create a different mail signature for each account
- Add mail accounts
- Set Out of Office replies for Exchange mail accounts
- Bcc yourself on every message you send
- Turn on Organize by Thread to group related messages together
- Turn off confirmation for deleting a message
- Turn off Push delivery of new messages, to save on battery power
- Temporarily turn off an account

Safari

7

Safari at a glance

Use Safari on iPod touch to browse the web, use Reading List to collect webpages to read later, and add page icons to the Home screen for quick access. Use iCloud to see pages you have open on other devices, and to keep your bookmarks, history, and reading list up to date on your other devices.


pitchfork.com
Pitchfork
WILD BEASTS
PRESENT TENSE
FALL BACK
THE PITCHFORK REVIEW
THE PITCH

Enter a web address or search item, or get quick access to your Favorites.

To zoom, double tap an item or pinch.

See your bookmarks, reading list, and shared links.

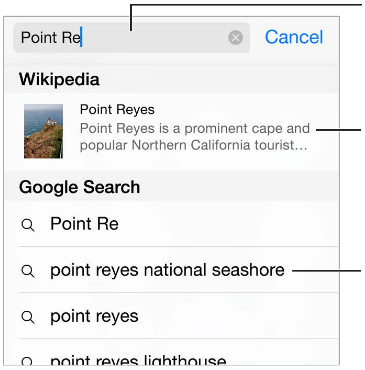
View open tabs or open a new tab.

Share, print, and more.

Revisit recent pages.

Search the web

Search the web. Enter a URL or search term in the search field at the top of the page, then tap a search suggestion, or tap Go on the keyboard to search for exactly what you typed. If you don't want to see suggested search terms, go to Settings > Safari, then (under Search) turn off Search Engine Suggestions.


Point Re
Cancel
Wikipedia
Point Reyes
Google Search
Point Re
point reyes national seashore
point reyes
point reyes lighthouse

Point Reyes is a prominent cape and popular Northern California tourist…

Enter what you're searching for, then tap Go.

View selected site.

Or tap a suggestion.

Quickly search a site you've visited before. Enter the name of the site, followed by your search term. For example, enter "wiki einstein" to search Wikipedia for "einstein." Go to Settings > Safari > Quick Website Search to turn this feature on or off.

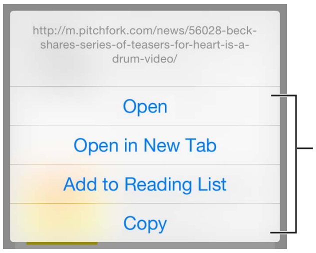
Have your favorites top the list. Select them in Settings > Safari > Favorites.

Search the page. Scroll to the bottom of the suggested results list and tap the entry under On This Page. Tap > to see the next occurrence on the page.

Choose your search tool. Go to Settings > Safari > Search Engine.

Browse the web

Look before you leap. To see the URL of a link before you go there, touch and hold the link.



http://m.pitchfork.com/news/56028-beck-shares-series-of-teasers-for-heart-is-a-drum-video/

Open
Open in New Tab
Add to Reading List
Copy

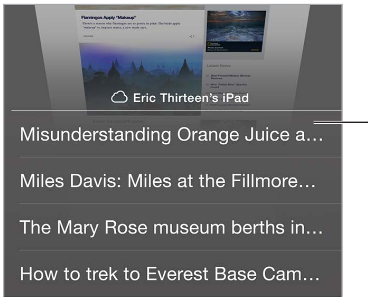
Touch and hold a link to see these options.

Open a link in a new tab. Touch and hold the link, then tap Open in New Tab. If you'd rather open new pages in the background, go to Settings > Safari > Open in New Tab.

Browse open tabs. Tap ⧉. To close one, tap ✕ in the upper-left corner, or swipe the page to the left.

View recently closed tabs. Touch and hold +.

View tabs open on your other devices. If you turn on Safari in Settings > iCloud, you can view tabs that you have open on your other devices. Tap ⧉, then scroll to the list at the bottom of the page.



Misundering Orange Juice a…

Miles Davis: Miles at the Fillmore…

The Mary Rose museum berths in…

How to trek to Everest Base Cam…

Scroll to the bottom to see tabs open on other devices.

Get back to the top. Tap the top edge of the screen to quickly return to the top of a long page.

See more. Turn iPod touch to landscape orientation.

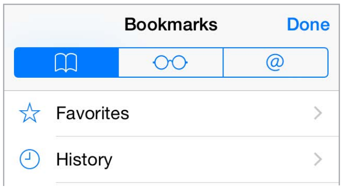
See the latest. Tap ↻ next to the address in the search field to update the page.

See a tab's history. Touch and hold < or >.

View the desktop version of a site. If you want to see the full desktop version of a site instead of the mobile version, tap the search field, pull down the display of your favorites, then tap Request Desktop Site.

Keep bookmarks

Bookmark the current page. Tap ⇧ (or touch and hold 📖), then tap Add Bookmark.



View your bookmarks. Tap 📖, then tap 📖.

Get organized. To create a folder for bookmarks, tap 📖, then tap Edit.

Add a webpage to your favorites. Open the page, tap the search field, drag down, then tap Add to Favorites.

Quickly see your favorite and frequently visited sites. Tap the search field to see your favorites. Scroll down to see frequently visited sites.

Edit your favorites. Tap the search field, then touch and hold a page or folder. You can delete the item, or edit it to rename or move it.

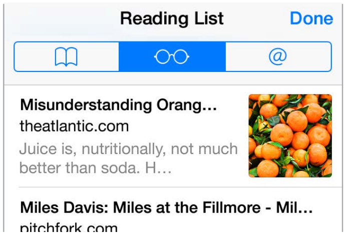
Choose which favorites appear when you tap the search field. Go to Settings > Safari > Favorites.

Bookmarks bar on your Mac? Go to Settings > iCloud, then turn on Safari if you want items from the bookmarks bar in Safari on your Mac to appear in Favorites on iPod touch.

Save an icon for the current page on your Home screen. Tap ⇧, then tap Add to Home Screen. The icon appears only on the device where you create it.

Save a reading list for later

Save interesting items in your reading list so you can revisit them later. You can read pages in your reading list even when you're not connected to the Internet.


Reading List
Done
📖
👓
@

Misunderstanding Orang...
theatlantic.com
Juice is, nutritionally, not much better than soda. H...

Miles Davis: Miles at the Fillmore - Mil...
pitchfork.com

Add the current page to your reading list. Tap 📤, then tap Add to Reading List.

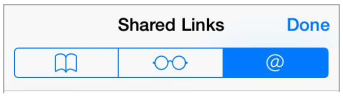
Add a linked page without opening it. Touch and hold the link, then tap Add to Reading List.

View your reading list. Tap 📖, then tap 👓.

Delete something from your reading list. Swipe left on the item in your reading list.

Shared links and subscriptions

You can view links shared from social media, such as Twitter, or feeds from your subscriptions.

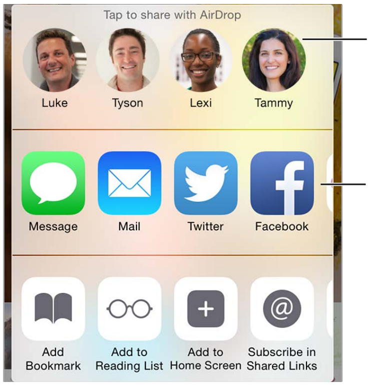

Shared Links
Done
📖
👓
@

View shared links and subscriptions. Tap 📖, then tap @.

Subscribe to a feed. Go to a site that provides a subscription feed, tap 📤, tap Add to Shared Links, then confirm by tapping Add to Shared Links.

Delete a subscription. Tap 📖, tap @, tap Subscriptions below the list of your shared links, then tap ⊖ next to the subscription you want to delete.

Spread the news. Tap 📤.


Tap to share with AirDrop
Luke
Tyson
Lexi
Tammy
Message
Mail
Twitter
Facebook
Add Bookmark
Add to Reading List
Add to Home Screen
Subscribe in Shared Links

Tap to share with a nearby friend using AirDrop.

Share using the usual methods.

Fill in forms

Whether you're logging in to a website, signing up for a service, or making a purchase, you can fill in a web form using the onscreen keyboard or have Safari fill it in for you using AutoFill.

Tired of always having to log in? When you're asked if you want to save the password for the site, tap Yes. The next time you visit, your user name and password will be filled in for you.

Fill in a form. Tap any field to bring up the onscreen keyboard. Tap < or > above the keyboard to move from field to field.

Fill it in automatically. Go to Settings > Safari > Passwords & Autofill, then turn on Use Contact Info. Then, tap AutoFill above the onscreen keyboard when you're filling in the form. Not all websites support AutoFill.

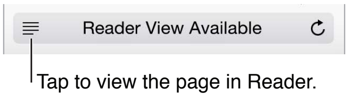
Add a credit card for purchases. Go to Settings > Safari > Passwords & Autofill > Saved Credit Cards > Add Credit Card. To enter the information without typing it, tap Use Camera, then hold iPod touch above the card so that the image of the card fits in the frame. You can also add a credit card by accepting when Safari offers to save it when you make an online purchase. See iCloud Keychain on page 38.

Use your credit card information. Look for the AutoFill Credit Card button above the onscreen keyboard whenever you're in a credit card field. Your card's security code isn't stored, so you still enter that yourself. If you're not using a passcode for iPod touch, you might want to start; see Use a passcode with data protection on page 38.

Submit a form. Tap Go, Search, or the link on the webpage.

Avoid clutter with Reader

Use Safari Reader to focus on a page's primary content.



Tap to view the page in Reader.

Focus on content. Tap ≡ at the left end of the address field. If you don't see the icon, reader isn't available for the page you're looking at.

Share just the good stuff. To share just the article text and a link to it, tap ⍐ while viewing the page in Reader.

Return to the full page. Tap the reader icon in the address field again.

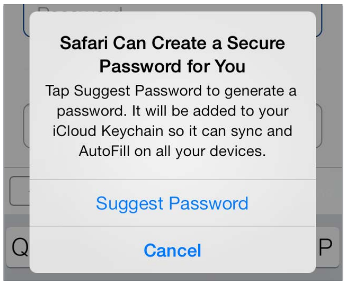
Privacy and security

You can adjust Safari settings to keep your browsing activities to yourself and protect yourself from malicious websites.

Want to keep a low profile? Go to Settings > Safari, then turn on Do Not Track. Safari will ask websites you visit not to track your browsing, but beware—a website can choose not to honor the request.

Control cookies. Go to Settings > Safari > Block Cookies. To remove cookies already on iPod touch, go to Settings > Safari > Clear History and Website Data.

Let Safari create secure passwords and store them for you. Tap the password field when creating a new account, and Safari will offer to create a password for you.



Safari Can Create a Secure Password for You

Tap Suggest Password to generate a password. It will be added to your iCloud Keychain so it can sync and AutoFill on all your devices.

Erase your browsing history and data from iPod touch. Go to Settings > Safari > Clear History and Website Data.

Visit sites without making history. Tap ⧉, then tap Private. Sites you visit won't appear in iCloud Tabs or be added to History on your iPod touch. To put away your private sites, tap ⧉, then tap Private again. You can close the pages, or keep them for viewing the next time you use Private Browsing Mode.

Watch for suspicious websites. Go to Settings > Safari, then turn on Fraudulent Website Warning.

Safari settings

Go to Settings > Safari, where you can:

- Choose your search engine and configure search results
- Provide AutoFill information
- Choose which favorites are displayed when you search
- Have links open in a new page or in the background
- Block pop-ups
- Tighten privacy and security
- Clear your history and website data
- Configure other advanced settings

Music

8

Get music

Get music and other audio content on to iPod touch in the following ways:

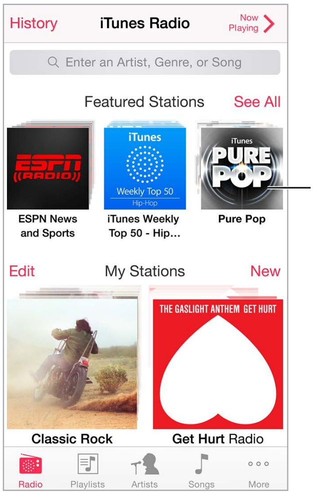
- *Purchase and download from the iTunes Store:* Go to iTunes Store. While browsing playlists and albums in Music, you can tap Store. See Chapter 22, iTunes Store, on page 101.
- *iCloud:* Get access to all your iTunes songs, no matter which device you used to purchase them. Use iTunes Match to include CDs and other music you import. See iCloud and iTunes Match on page 62.
- *Family Sharing:* To download songs purchased by other members of your family, go to iTunes Store, tap More, tap Purchased, then choose a family member. See Family Sharing on page 33.
- *Sync content with iTunes on your computer:* See Sync with iTunes on page 17.

WARNING: For important information about avoiding hearing loss, see Important safety information on page 149.

iTunes Radio

Featured stations provide a great way to explore and enjoy new music in a variety of genres. You can also create your own custom stations, based on your pick of artist, song, or genre.

Note: iTunes Radio may not be available in all areas. For more information about iTunes Radio, go to support.apple.com/kb/HT5848.


History
iTunes Radio
Now Playing
Enter an Artist, Genre, or Song
Featured Stations
See All
ESPN News and Sports
iTunes Weekly Top 50 - Hip…
Pure Pop
Edit
My Stations
New
Classic Rock
Get Hurt Radio
Radio
Playlists
Artists
Songs
More

Tap to play a station.

When you pick a station and play a song, the Now Playing screen shows the album art and the playback controls. Tap ⓘ to find out more, create a new station, fine-tune the station, or share it.

Create a station based on an artist, genre, or song. Tap New Station on the iTunes Radio screen. Choose a genre, or do a search for your favorite artist, song, or genre. You can also create a station from the Now Playing screen by tapping the Create button.

Edit your stations. Tap Edit. You can include or exclude other artists, songs, or genres, or delete a station.

Influence upcoming song selections. Tap ★, then tap Play More Like This or Never Play This Song. You can also add the song to your iTunes Wish List.

Skip to the next song. Tap ▶▶. You can skip a limited number of songs per hour.

See the songs you've played, or view your wishlist. Tap History, then tap Played or Wishlist. You can purchase songs for your library. Tap a song to preview it.

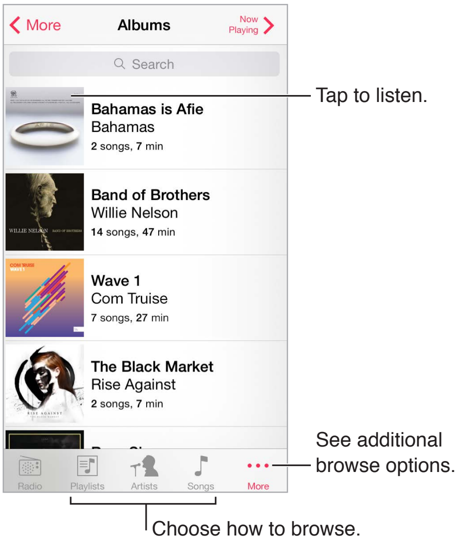
Purchase songs for your personal library. Tap the price button.

Share a station you created. While playing the station, tap ⓘ, then tap Share Station.

Browse and play

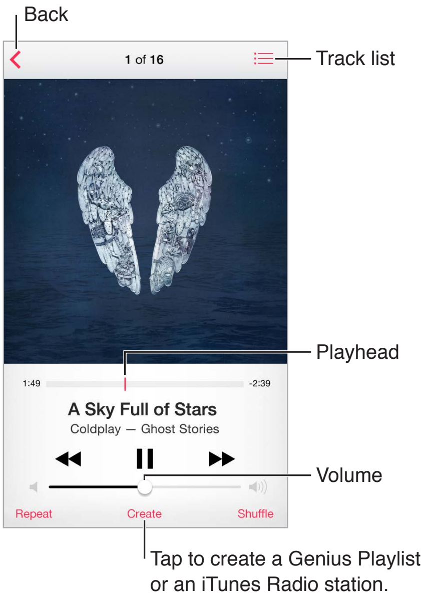
Browse your music by playlist, artist, song, or other category. For other browse options, tap More. Tap any song to play it.

You can listen to audio from the built-in speaker, from headphones attached to the headset jack, or from wireless Bluetooth stereo headphones paired with iPod touch. If headphones are attached or paired, no sound comes from the speaker.


More
Albums
Now Playing
Search
Tap to listen.
Bahamas is Afie
Bahamas
2 songs, 7 min
Band of Brothers
Willie Nelson
14 songs, 47 min
Wave 1
Com Truise
7 songs, 27 min
The Black Market
Rise Against
2 songs, 7 min
See additional browse options.
Radio
Playlists
Artists
Songs
More
Choose how to browse.

Tired of tapping More? To rearrange the buttons, tap More, then tap Edit and drag a button onto the one you want to replace.

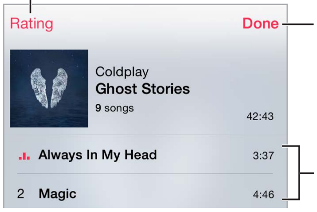
The Now Playing screen provides playback controls and shows you what's playing.


Back
1 of 16
Track list
Playhead
1:49
-2:39
A Sky Full of Stars
Coldplay — Ghost Stories
Volume
Repeat
Create
Shuffle
Tap to create a Genius Playlist or an iTunes Radio station.

Skip to any point in a song. Drag the playhead. Slow down the scrub rate by sliding your finger down the screen.

Shuffle. Tap Shuffle on the Now Playing screen to play your tunes in random order.

See all tracks from the album containing the current song. Tap ☰. To play a track, tap it.



Tap to rate this song for creating smart playlists in iTunes.

Return to the Now Playing screen.

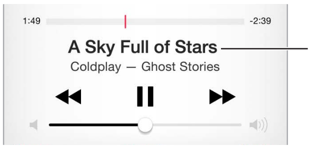
Album tracks

Search music. While browsing, drag down to reveal the search field at the top of the screen, then enter your search text. You can also search audio content from the Home screen. See Spotlight Search on page 30.

Rate a song for smart playlists in iTunes. Tap the screen to reveal the rating dots, then tap a dot to assign a rating.

Display lyrics. If you've added lyrics to the song, tap the album cover to see them. To add lyrics, use the song's Info window in iTunes on your computer, then sync the song to iPod touch.

Get audio controls from the Lock screen or when using another app. Swipe up from the bottom edge of the screen to open Control Center. See Control Center on page 32.



Currently playing song

Play music on AirPlay speakers or Apple TV. Swipe up from the bottom edge of the screen to open Control Center, then tap ▭. See AirPlay on page 36.

iCloud and iTunes Match

With iCloud, you can access all of the music you purchase in the iTunes Store on all of your devices. The ☁ icon shows the songs you have in iCloud. Just click a song to play it.

Automatically download music purchased on another device. Go to Settings > iTunes & App Store, sign in using your Apple ID, then turn on Music under Automatic Downloads.

Download music if you're going somewhere you won't have Wi-Fi. Click ☁ next to the songs you'll want to play. Or download entire albums and playlists. You can also download previous purchases in the iTunes Store—tap More, tap Purchased, then tap Music.

Remove a song that's been downloaded. Swipe left, then tap Delete. The song is removed from iPod touch, but remains available from iCloud.

View only music that's downloaded. Go to Settings > iTunes & App Store. Under Show All, turn off Music.

With an iTunes Match subscription, you can store all your music in iCloud (up to 25,000 songs)—even songs you imported from CDs.

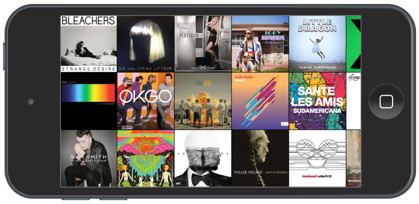
Note: iTunes Match may not be available in all areas. See support.apple.com/kb/HT5085.

Subscribe to iTunes Match. Go to Settings > iTunes & App Store > Subscribe to iTunes Match. See www.apple.com/itunes/itunes-match.

Turn on iTunes Match. Go to Settings > iTunes & App Store. Sign in if you haven't already.

Album Wall

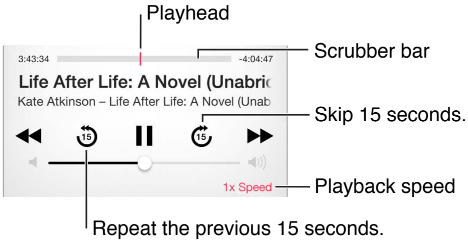
Rotate iPod touch to view your entire library by album art.



Swipe left or right to see other albums. Tap an album to see its songs.

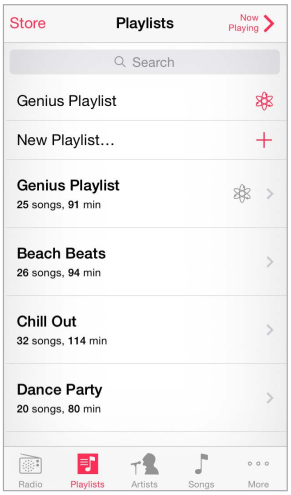
Audiobooks

Audiobook controls and info appear on the Now Playing screen when you begin playback.


Playhead
Scrubber bar
3:43:34
-4:04:47
Life After Life: A Novel (Unabric
Kate Atkinson – Life After Life: A Novel (Unab
Skip 15 seconds.
1x Speed
Playback speed
Repeat the previous 15 seconds.

Playlists

Create playlists to organize your music. View Playlists, tap New Playlist near the top of the list, then enter a title. Tap + to add songs or videos.


Store
Playlists
Now Playing
Search
Genius Playlist
New Playlist…
Genius Playlist
25 songs, 91 min
Beach Beats
26 songs, 94 min
Chill Out
32 songs, 114 min
Dance Party
20 songs, 80 min
Radio
Playlists
Artists
Songs
More

Edit a playlist. Select the playlist, then tap Edit.

- *Add more songs:* Tap +.
- *Delete a song:* Tap ⊖, then tap Remove. Deleting a song from a playlist doesn't delete it from iPod touch.
- *Change the song order:* Drag ≡.

New and changed playlists are copied to your iTunes library the next time you sync iPod touch with your computer, or through iCloud if you've subscribed to iTunes Match.

Clear or delete a playlist you created on iPod touch. Select the playlist, then tap Clear or Delete.

Remove a song from iPod touch. Tap Songs, swipe the song, then tap Delete. The song is deleted from iPod touch, but not from your iTunes library on your Mac or PC, or from iCloud.

Genius—made for you

A Genius playlist is a collection of songs from your library that go together. Genius is a free service, but it requires an Apple ID.

A Genius Mix is a selection of songs of the same kind of music, re-created from your library each time you listen to the mix.

Turn on Genius. Tap Playlists, tap Genius Playlist, then tap Turn On Genius.

Browse and play Genius Mixes. Tap Genius (tap More first, if Genius isn't visible). Swipe left or right to access other mixes. To play a mix, tap ▶.

Make a Genius playlist. View Playlists, then tap Genius Playlist and choose a song. Or from the Now Playing screen, tap Create, then tap Genius Playlist.

- *Replace the playlist using a different song:* Tap New and pick a song.
- *Refresh the playlist:* Tap Refresh.
- *Save the playlist:* Tap Save. The playlist is saved with the title of the song you picked, and marked by ⚛.

If you subscribe to iTunes Match, your Genius playlists are stored in iCloud. Genius playlists created on iPod touch are copied to your computer when you sync with iTunes.

Note: Once a Genius playlist is synced to iTunes, you can't delete it directly from iPod touch. Use iTunes to edit the playlist name, stop syncing, or delete the playlist.

Delete a saved Genius playlist. Tap the Genius playlist, then tap Delete.

Siri and Voice Control

You can use Siri or Voice Control to control music playback. See Chapter 4, Siri, on page 42 and Voice Control on page 29.

Use Siri or Voice Control. Press and hold the Home button.

- *Play or pause music:* Say "play" or "play music." To pause, say "pause," "pause music," or "stop." You can also say "next song" or "previous song."
- *Play an album, artist, or playlist:* Say "play," then say "album," "artist," or "playlist" and the name.
- *Shuffle the current playlist:* Say "shuffle."
- *Find out more about the current song:* Say "what's playing," "who sings this song," or "who is this song by."
- *Use Genius to play similar songs:* Say "Genius" or "play more songs like this."

Home Sharing

Home Sharing lets you play music, movies, and TV shows from the iTunes library on your Mac or PC. iPod touch and your computer must be on the same Wi-Fi network.

Note: Home Sharing requires iTunes 10.2 or later, available at www.itunes.com/download. Bonus content, such as digital booklets and iTunes Extras, can't be shared.

Play music from your iTunes library on iPod touch.

1. In iTunes on your computer, choose File > Home Sharing > Turn On Home Sharing. Log in, then click Create Home Share.
2. On iPod touch, go to Settings > Music, then log in to Home Sharing using the same Apple ID and password.
3. In Music, tap More, then tap Shared and choose your computer's library.

Return to content on iPod touch. Tap Shared and choose My iPod touch.

Music settings

Go to Settings > Music to set options for Music, including:

- Sound Check (to normalize the volume level of your audio content)
- Equalization (EQ)

  Note: EQ settings affect all sound output, including the headset jack and AirPlay. (These settings generally apply only to music played from the Music app.)

  The Late Night setting compresses the dynamic range of the audio output, reducing the volume of loud passages and increasing the volume of quiet passages. You might want to use this setting when listening to music on an airplane or in some other noisy environment. (The Late Night setting applies to all audio output—video as well as music.)
- Grouping by album artist

Set the volume limit. Go to Settings > Music > Volume Limit.

Note: In some European Union (EU) countries, iPod touch may indicate when you're setting the volume above the EU-recommended level for hearing safety. To increase the volume beyond this level, you may need to briefly release the volume control. To limit the maximum headset volume to this level, go to Settings > Music > Volume Limit, then turn on EU Volume Limit.

Prevent changes to the volume limit. Go to Settings > General > Restrictions > Volume Limit, then tap Don't Allow Changes.

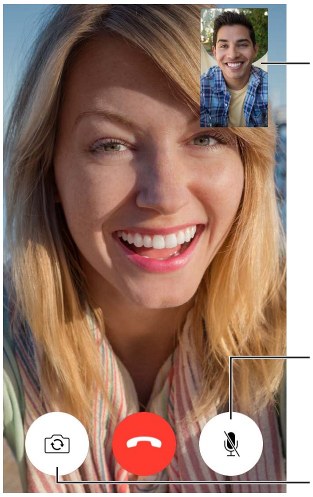
FaceTime

9

FaceTime at a glance

Use FaceTime to make video or audio calls to other iOS devices or computers that support FaceTime. The FaceTime camera lets you talk face-to-face; switch to the rear iSight camera (not available on all models) to share what you see around you.

Note: FaceTime may not be available in all areas.



Drag your image to any corner.

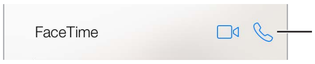
Mute your mic (the caller can see but not hear you).

Switch to the rear camera (available on some models).

With a Wi-Fi connection and an Apple ID, you can make and receive FaceTime calls (first sign in using your Apple ID, or create a new account).

Make and answer calls

Make a FaceTime call. Make sure FaceTime is turned on in Settings > FaceTime. Tap FaceTime, then type the name or number you want to call in the entry field at the top. Tap 📹 to make a video call, or tap ☎ to make a FaceTime audio call. Or tap + to open Contacts and start your call from there.

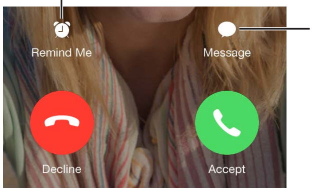


Tap an icon to start a FaceTime call.

Use your voice to start the call. Press and hold the Home button, then say "FaceTime," followed by the name of the person to call.

Want to call again? Tap FaceTime to see your call history on the screen. Tap Audio or Video to refine your search, then tap a name or number to call again. Tap ⓘ to open the name or number in Contacts. Swipe to the left, then tap Delete to delete the name or number from your call history.

Can't take a call right now? When a FaceTime call comes in, you can answer, decline, or choose another option.



Set up a reminder to return the call later.

Send the caller a text message.

See the whole gang. Rotate iPod touch to use FaceTime in landscape orientation. To avoid unwanted orientation changes, lock iPod touch in portrait orientation. See Change the screen orientation on page 22.

Manage calls

Multitask during a call. Press the Home button, then tap an app icon. You can still talk with your friend, but you can't see each other. To return to the video, tap the green bar at the top of the screen.

Juggle calls. FaceTime calls aren't forwarded. If another call comes in while you're on a FaceTime call, you can either end the first call and answer the incoming call, decline the incoming call, or reply with a text message. You can use call waiting with FaceTime audio calls only.

Use call waiting for audio calls. If you're on a FaceTime audio call and another call comes in, you can decline the call, end the first call and accept the new one, or put the first call on hold and respond to the new call.

Add multiple callers. While on a FaceTime audio call, you can add another person to the conversation. Put the first call on hold, then tap + to add another FaceTime audio call.

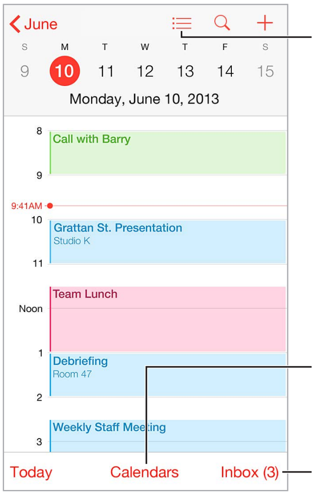
Block unwanted callers. Go to Settings > FaceTime > Blocked > Add New. You won't receive FaceTime calls or text messages from blocked callers. For more information about blocking calls, see support.apple.com/kb/HT5845.

Other options in Settings let you turn FaceTime on or off, specify a phone number, Apple ID, or email address to use with FaceTime, and set your caller ID.

Calendar

10

Calendar at a glance


June
S M T W T F S
9 10 11 12 13 14 15
Monday, June 10, 2013
8
Call with Barry
9
9:41AM
10
Grattan St. Presentation
Studio K
11
Team Lunch
Noon
1
Debriefing
Room 47
2
Weekly Staff Meeting
3
Today
Calendars
Inbox (3)

View list of events.

Change calendars or accounts.

View invitations.

Add an event. Tap +, then fill in the event details. If you add a location and choose Alert > Time to leave, Calendar reminds you of the event based on the current travel time to get there.

Search for events. Tap 🔍, then enter text in the search field. The titles, invitees, locations, and notes for the calendars you're viewing are searched.

View a weekly calendar. Rotate iPod touch sideways.

Change your view. Tap a year, month, or day to zoom in or out on your calendar. In Week or Day view, pinch to zoom in or out.

Change your view. Tap a year, month, or day to zoom in or out on your calendar.

View a list of events. In month view, tap ▤ to see a day's events. In day view, tap ☰.

Change the color of a calendar. Tap Calendars, then tap ⓘ next to the calendar and choose a color from the list. For some calendar accounts, such as Google, the color is set by the server.

Adjust an event. Touch and hold the event, then drag it to a new time, or adjust the grab points.

Invitations

iCloud, Microsoft Exchange, and some CalDAV servers let you send and receive meeting invitations.

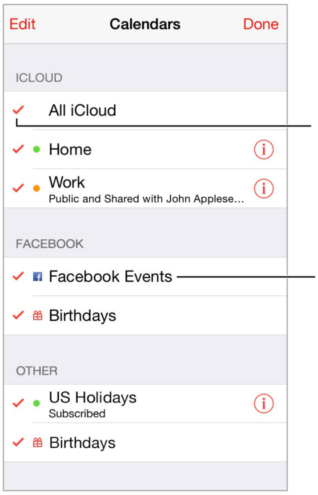
Invite others to an event. Tap an event, tap Edit, then tap Invitees. Type names, or tap ⊕ to pick people from Contacts. If you don't want to be notified when someone declines a meeting, go to Settings > Mail, Contacts, Calendar > Show Invitee Declines.

RSVP. Tap an event you've been invited to, or tap Inbox and tap an invitation. If you add comments (which may not be available for all calendars), your comments can be seen by the organizer but not by other attendees. To see events you've declined, tap Calendars, then turn on Show Declined Events.

Schedule a meeting without blocking your schedule. Tap the event, then tap Availability and tap "free." If it's an event you created, tap "Show As" and then tap "free." The event stays on your calendar, but it doesn't appear as busy to others who send you invitations.

Quickly send an email to attendees. Tap the event, tap Invitees, then tap ✉.

Use multiple calendars



Select which calendars to view.

Turn on Facebook Events in Settings > Facebook.

Turn on iCloud, Google, Exchange, or Yahoo! calendars. Go to Settings > Mail, Contacts, Calendars, tap an account, then turn on Calendar.

Subscribe to a calendar. Go to Settings > Mail, Contacts, Calendars, then tap Add Account. Tap Other, then tap Add Subscribed Calendar. Enter the server and filename of the .ics file to subscribe to. You can also subscribe to an iCalendar (.ics) calendar published on the web, by tapping a link to the calendar.

Add a CalDAV account. Go to Settings > Mail, Contacts, Calendars, tap Add Account, then tap Other. Under Calendars, tap Add CalDAV Account.

View the Birthdays calendar. Tap Calendars, then tap Birthdays to include birthdays from Contacts with your events. If you've set up a Facebook account, you can also include your Facebook friends' birthdays.

View the Holidays calendar. Tap Calendars, then tap Holidays to included national holidays with your events.

See multiple calendars at once. Tap Calendars, then select the calendars you want to view.

Move an event to another calendar. Tap the event, tap Edit, then select a calendar to move it to.

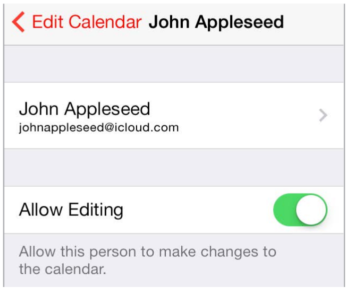
Share iCloud calendars

With Family Sharing, a calendar shared with all the members of your family is created automatically. See Family Sharing on page 33. You can share an iCloud calendar with other iCloud users. When you share a calendar, others can see it, and you can let them add or change events. You can also share a read-only version that anyone can view.

Create an iCloud calendar. Tap Calendars, tap Edit, then tap Add Calendar in the iCloud section.

Share an iCloud calendar. Tap Calendars, tap Edit, then tap the iCloud calendar you want to share. Tap Add Person and enter a name, or tap ⊕ to browse your Contacts. Those you invite receive an email invitation to join the calendar, but they need an iCloud account in order to accept.

Change a person's access to a shared calendar. Tap Calendars, tap Edit, tap the shared calendar, then tap the person. You can turn off their ability to edit the calendar, resend the invitation to join the calendar, or stop sharing the calendar with them.



John Appleseed
johnappleseed@icloud.com

Allow Editing ●

Allow this person to make changes to the calendar.

Turn off notifications for shared calendars. When someone modifies a shared calendar, you're notified of the change. To turn off notifications for shared calendars, go to Settings > Mail, Contacts, Calendars > Shared Calendar Alerts.

Share a read-only calendar with anyone. Tap Calendars, tap Edit, then tap the iCloud calendar you want to share. Turn on Public Calendar, then tap Share Link to copy or send the URL for your calendar. Anyone can use the URL to subscribe to the calendar using a compatible app, such as Calendar for OS X.

Calendar settings

Several settings in Settings > Mail, Contacts, Calendars affect Calendar and your calendar accounts. These include:

- Syncing of past events (future events are always synced)
- Alert tone played for new meeting invitations
- Default calendar for new events
- Default time for alerts
- Time zone support, to show dates and times using a different time zone
- Which day starts the week
- Display of Chinese, Hebrew, or Islamic dates

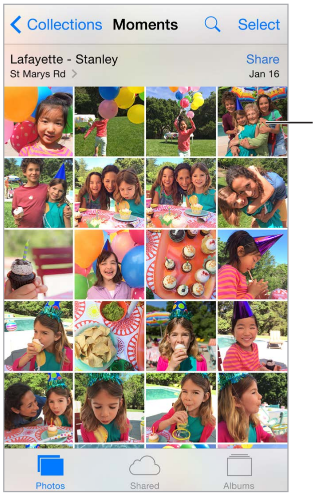
Photos

11

View photos and videos

The Photos app lets you view the photos and videos:

- Taken with Camera on iPod touch
- Stored in iCloud (see iCloud Photo Library beta on page 74)
- Shared from others (see iCloud Photo Sharing on page 74)
- Synced from your computer (see Sync with iTunes on page 17)
- Saved from an email, text message, webpage, or screenshot



Tap to view full screen.

The Photos app includes tabs for Photos, Shared, and Albums.

- Tap Photos to see all your photos and videos, organized by Years, Collections, and Moments. To quickly browse the photos in a collection or year, touch and hold for a moment, then drag.
- Tap Shared to see photos and videos you've shared with others or that others have shared with you. See My Photo Stream on page 73 and iCloud Photo Sharing on page 74.
- Tap Albums to see how photos and videos are organized into albums on your iPod touch. See Organize photos and videos, next.

View all your photos and videos. By default, Photos displays a representative subset of your photos when you view by year or by collection. To see all your photos and videos, go to Settings > Photos & Camera, then turn off Summarize Photos.

View by location. While viewing by year or by collection, tap >. Photos and videos that include location information appear on a map, showing where they were taken.

While viewing a photo or video, tap to show and hide the controls. Swipe left or right to go forward or backward.

Search photos. From Albums or Photos, tap 🔍 to search by date (month and year), or place (city and state). Search also keeps your Recent Searches on hand and gives you a list of suggested searches.

Zoom in or out. Double-tap, or pinch or spread a photo. When you zoom in, you can drag to see other parts of the photo.

Play a video. Tap ▶. To toggle between full screen and fit-to-screen, double-tap the display.

Play a slideshow. While viewing a photo, tap ⇪, then tap Slideshow. Select options, then tap Start Slideshow. To stop the slideshow, tap the screen. To set other slideshow options, go to Settings > Photos & Camera.

To stream a slideshow or video to a TV, see AirPlay on page 36.

Organize photos and videos

The Album tab includes albums you create and albums created for you, depending on which Photos features you use. Videos are automatically added to the Videos album, for example. You see a My Photo Stream album if you use that feature (see My Photo Stream, next). If you use iCloud Photo Library beta, you have an All Photos album, which includes all your photos and videos in iCloud (see iCloud Photo Library beta on page 74); if you don't use iCloud Photo Library beta, the Camera Roll album includes photos and videos you took on iPod touch or saved to iPod touch from other sources.

Note: If you use iCloud Photo Library beta, albums are stored in iCloud and are up to date and accessible on any iOS 8.1 device using the same Apple ID. See iCloud Photo Library beta on page 74.

Create a new album. Tap Albums, tap +, enter a name, then tap Save. Select photos and videos to add to the album, then tap Done.

Add items to an existing album. While viewing thumbnails, tap Select, select items, tap Add To, then select the album.

Manage albums. While viewing your album list, tap Edit.

- *Rename an album:* Select the album, then enter a new name.
- *Rearrange albums:* Drag ≡.
- *Delete an album:* Tap ⊖.

With iCloud Photo Library beta, you can manage all your albums from any iOS 8.1 device set up with iCloud Photo Library beta.

Mark your favorites. While viewing a photo or video, tap ♡ to automatically add it to the Favorites album. A photo or video can be part of another album as well as Favorites.

Hide photos you want to keep but not show. Touch and hold a photo, then choose Hide. The photo is moved to the Hidden album. Touch and hold a hidden photo to Unhide it.

Remove a photo or video from an album. Tap the photo or video, tap 🗑, then tap Delete Photo. The photo is removed from the album and from the Photos tab.

Delete a photo or video from Photos. Tap the Photos tab, tap the photo or video, tap 🗑, then tap Delete Photo or Delete Video. Deleted photos and videos are kept in the Recently Deleted album on iPod touch, with a badge showing the remaining days until the item is permanently removed from iPod touch. To delete the photo or video permanently before the days expire, tap the item, tap Delete, then tap Delete Photo or Delete Video. If you use iCloud Photo Library beta, deleted photos and videos are permanently removed from all iOS 8.1 devices that use iCloud Photo Library beta with the same Apple ID.

Recover a deleted photo or video. In the Recently Deleted album, tap the photo or video, tap Recover, then tap Recover Photo or Recover Video to move the item to the Camera Roll or, if you use iCloud Photo Library beta, the All Photos album.

My Photo Stream

My Photo Stream, turned on by default, automatically uploads new photos and videos to your other devices that use My Photo Stream.

Turn My Photo Stream on or off. Go to Settings > Photos & Camera, or Settings > iCloud > Photos.

Note: Photos stored in iCloud count against your total iCloud storage, but photos uploaded to My Photo Stream don't count additionally against your iCloud storage.

Use My Photo Stream without iCloud Photo Library beta. Photos and videos you take with iPod touch are added to the My Photo Stream album when you leave the Camera app and iPod touch is connected to Wi-Fi. Any photos you add—including screenshots and photos saved from email, for example—also appear in your My Photo Stream album.

Photos and videos added to My Photo Stream on your other devices appear in your My Photo Stream album on iPod touch. iOS devices can keep up to 1000 of your most recent photos in iCloud for 30 days; you can choose to automatically import these photos to your computer, if you want to keep them permanently.

Manage My Photo Stream contents. In the My Photo Stream album, tap Select.

- *Save your best shots on iPod touch:* Select the photos, then tap Add To.
- *Share, print, or copy:* Select the photos, then tap ⍐.
- *Delete photos:* Select the photos, then tap 🗑.

Note: Although deleted photos are removed from My Photo Stream on all your devices, the original photos remain in Photos on the device on which they were originally taken. Photos that you save to another album on a device or computer are also not deleted. See support.apple.com/kb/HT4486.

Use My Photo Stream with iCloud Photo Library beta. If you enable iCloud Photo Library beta on iPod touch, you can use My Photo Stream to upload recent photos and videos and view them on other devices that do not have iCloud Photo Library beta enabled.

iCloud Photo Library beta

iCloud Photo Library beta gives you access to your photos and videos on any supported iOS 8.1 device and on iCloud.com with the same Apple ID. You can make changes to photos and videos in the Photos app, preserve both the original and edited versions, and see the changes updated across your devices (see Edit photos and trim videos on page 76). Store as many photos and videos as your iCloud storage plan allows. If you turn on iCloud Photo Library beta, you can't use iTunes to sync photos and videos to iPod touch.

Turn on iCloud Photo Library beta. Go to Settings > iCloud > Photos. Or go to Settings > Photos & Camera.

View photos and videos in iCloud Photo Library beta. In addition to viewing your photos and videos in the Photos tab, organized by Years, Collections, and Moments, you can also view them as a continuous stream, organized by date added, in the All Photos album.

Choose to optimize your storage or keep all your photos and videos in full-resolution on iPod touch. Optimize iPod touch Storage, on by default, keeps lighter-weight versions, perfect for viewing on iPod touch. Tap Download and Keep Originals to keep your full-resolution originals on iPod touch. Full-resolution originals are always backed up and kept in your iCloud Photo Library.

Download a full-resolution photo or video. If you're not storing original versions on iPod touch, simply pinch to zoom in to 100%, or tap Edit.

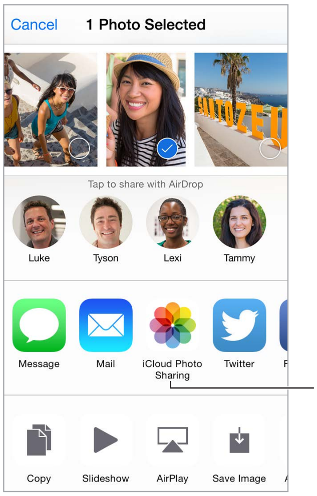
Note: To upload photos and videos to iCloud Photo Library beta, iPod touch must be connected to Wi-Fi.

If your uploaded photos and videos exceed your storage plan, you can upgrade your iCloud storage. Go to Settings > iCloud > Storage > Change Storage Plan to learn about the available options.

iCloud Photo Sharing

With iCloud Photo Sharing, you can create albums of photos and videos to share, and subscribe to other people's shared albums. You can invite others using iCloud Photo Sharing (iOS 6 or later or OS X Mountain Lion or later) to view your albums, and they can leave comments if they wish. If they're using iOS 7 or OS X Mavericks or later, they can add their own photos and videos. You can also publish your album to a website for anyone to view. iCloud Photo Sharing works with or without iCloud Photo Library beta and My Photo Stream.

Note: To use iCloud Photo Sharing, iPod touch must be connected to the Internet.



Create new shared albums or add photos to existing ones.

Turn on iCloud Photo Sharing. Go to Settings > iCloud > Photos. Or go to Settings > Photos & Camera.

Share photos and videos. While viewing a photo or video, or when you've selected multiple photos or videos, tap ⇧, tap iCloud Photo Sharing, add comments, then share to an existing shared album or create a new one. You can invite people to view your shared album using their email address or the mobile phone number they use for Messages.

Enable a public website. Select the shared album, tap People, then turn on Public Website. Tap Share Link if you want to announce the site.

Add items to a shared album. View a shared album, tap +, select items, then tap Done. You can add a comment, then tap Post.

Delete photos from a shared album. Select the shared album, tap Select, select the photos or videos you want to delete, then tap 🗑. You must be the owner of the shared album, or the owner of the photo.

Delete comments from a shared album. Select the photo or video that contains the comment. Touch and hold the comment, then tap Delete. You must be the owner of the shared album, or the owner of the comment.

Rename a shared album. Tap Shared, tap Edit, then tap the name and enter a new one.

Add or remove subscribers, or turn Notifications on or off. Select the shared album, then tap People.

Subscribe to a shared album. When you receive an invitation, tap the Shared tab ☁, then tap Accept. You can also accept an invitation in an email.

Add items to a shared album you subscribed to. View the shared album, then tap +. Select items, then tap Done. You can add a comment, then tap Post.

See your Family album. When Family Sharing is set up, a shared album called "Family" is automatically created in Photos on all family members' devices. Everyone in the family can contribute photos, videos, and comments to the album, and be notified whenever something new is added. For more information about setting up Family Sharing, see Family Sharing on page 33.

Other ways to share photos and videos

You can share photos and videos in Mail or Messages, or through other apps you install.

Share or copy a photo or video. View a photo or video, then tap . If you don't see , tap the screen to show the controls.

Tap More in Sharing to turn on the apps you want to use for sharing.

The size limit of attachments is determined by your service provider. iPod touch may compress photo and video attachments, if necessary.

You can also copy a photo or video, then paste it into an email or text message (iMessage).

Share or copy multiple photos and videos. While viewing by moment, tap Share.

Save or share a photo or video you receive.

- *Email:* Tap to download it if necessary, then touch and hold the item to see sharing and other options.
- *Text message:* Tap the item in the conversation, then tap .

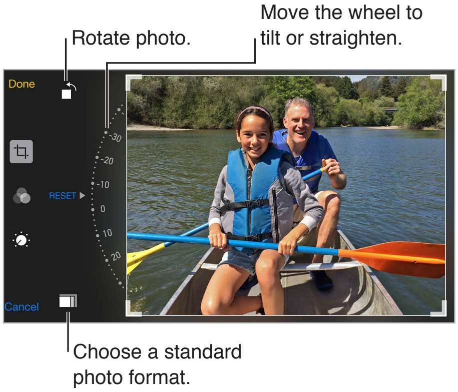
Photos and videos that you receive in email messages or save from a webpage are saved to your Photos tab. They can also be viewed in the Camera Roll or, if you're using iCloud Photo Library beta, the All Photos album.

Edit photos and trim videos

You can edit photos right on iPod touch. If your photos are stored in iCloud, your edits are updated across all your devices set up with iCloud, and both your original and edited versions are saved. If you delete a photo, it's deleted from all your devices and iCloud. Photo app extensions can provide special editing options. See App extensions on page 22.

Edit a photo. View the photo full screen, tap Edit, then tap one of the tools. To edit a photo not taken with iPod touch, tap the photo, tap Edit, then tap Duplicate and Edit.

- Auto-enhance improves a photo's exposure, contrast, saturation, and other qualities.
- With the Remove Red-eye tool , tap each eye that needs correcting.
- Tap , and Photos suggests an optimal crop, but you can drag the corners of the grid tool to set your own crop. Move the wheel to tilt or straighten the photo. Tap Auto to align the photo with the horizon, and tap Reset to undo alignment changes. Tap to rotate the photo 90 degrees. Tap to choose a standard crop ratio, such as 2:3 or Square.


Rotate photo.
Move the wheel to tilt or straighten.
Done
RESET
-30
-20
-10
0
10
20
Cancel
Choose a standard photo format.

- Photo filters let you apply different color effects, such as Mono or Chrome.

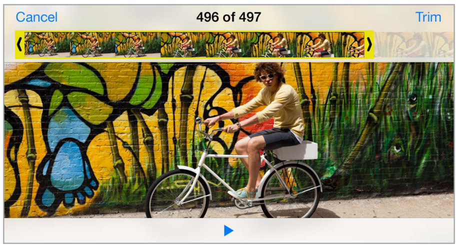
- Tap Adjustments ☼ to set Light, Color, and B&W (black & white) options. Tap the down arrow, then tap ☰ next to Light, Color, or B&W to choose the element you want to adjust. Move the slider to the desired effect.

Compare the edited version to the original. Touch and hold the photo to view the original. Release to see your edits.

Don’t like the results? Tap Cancel, then tap Discard Changes. Tap Done to save changes.

Revert to original. After you edit a photo and save your edits, you can revert to the original image. Tap the image, tap Edit, then tap Revert.

Trim a video. Tap the screen to display the controls, drag either end of the frame viewer, then tap Trim.



Important: If you choose Trim Original, the trimmed frames are permanently deleted from the original video. If you choose Save as New Clip, a new trimmed video clip is saved in your Videos album and the original video is unaffected.

Print photos

Print to an AirPrint-enabled printer.

- *Print a single photo:* Tap ⇧, then tap Print.
- *Print multiple photos:* While viewing a photo album, tap Select, select the photos, tap ⇧, then tap Print.

See AirPrint on page 36.

Photos settings

Settings for Photos are in Settings > Photos & Camera. These include:

- iCloud Photo Library beta, My Photo Stream, and iCloud Photo Sharing
- Photos Tab
- Slideshow
- Camera Grid
- HDR (High Dynamic Range) (models with iSight camera)

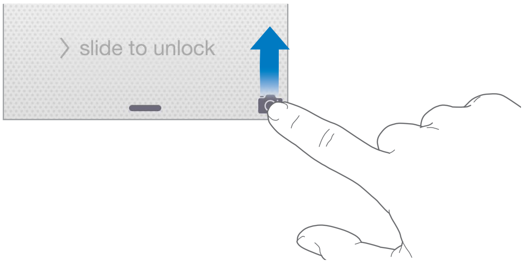
Camera

12

Camera at a glance

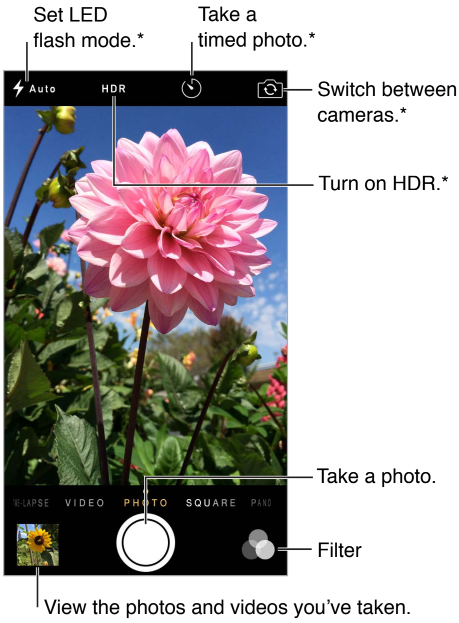
Quick! Get the camera! From the Lock screen, just swipe 📷 up. Or swipe up from the bottom edge of the screen to open Control Center, then tap 📷.

Note: When you open Camera from the Lock screen, you can view and edit photos and videos you take while the device is locked by tapping the thumbnail at the lower-left corner of the screen. To share photos and videos, first unlock iPod touch.



With iPod touch, you can take both still photos and videos using the FaceTime camera on the front or, on some models, the iSight camera on the back.

The LED flash (models with an iSight camera) provides extra light when you need it—even as a flashlight, just a swipe away in Control Center. See Control Center on page 32.


Set LED flash mode.*
Take a timed photo.*
Auto
HDR
Switch between cameras.*
Turn on HDR.*
Take a photo.
TIME-LAPSE
VIDEO
PHOTO
SQUARE
PANO
Filter
View the photos and videos you've taken.

*Models with an iSight camera.

Take photos and videos

Camera offers several photo and video modes, which let you shoot stills, square-format photos, time-lapse, videos, and, on models with an iSight camera, panoramas.

Choose a mode. Drag the screen left or right, or tap the camera mode labels to choose Time-Lapse, Video, Photo, Square, or Pano.

Take a photo. Choose Photo, then tap the Take Picture button or press either volume button.

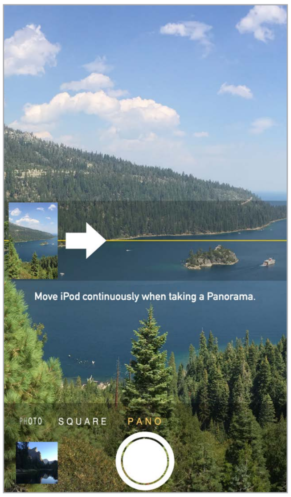
Apply a filter. Tap ● to apply different color effects, such as Mono or Chrome. To turn off a filter, tap ●, then tap None. You can also apply a filter later, when you edit the photo. See Edit photos and trim videos on page 76.

A rectangle briefly appears where the exposure is set. When you photograph people, face detection balances the exposure across up to 10 faces. A rectangle appears for each face detected.

Exposure is automatic, but you can set the exposure manually for the next shot by tapping an object or area on the screen. With an iSight camera, tapping the screen sets the focus and the exposure, and face detection is temporarily turned off. To lock the exposure and focus, touch and hold until the rectangle pulses. Take as many photos as you want. When you tap the screen again, the automatic settings and face detection turn back on.

Adjust the exposure. Tap to see ☀ next to the exposure rectangle, then slide up or down to adjust the exposure.

Take a panorama photo. (iSight camera) Choose Pano, tap the Take Picture button, then pan slowly in the direction of the arrow. To pan in the other direction, first tap the arrow. To pan vertically, first rotate iPod touch to landscape orientation. You can reverse the direction of the vertical pan, too.



Move iPod continuously when taking a Panorama.

Capture an experience with time-lapse. (iSight camera) Choose Time-Lapse, set up iPod touch where you want, then tap the Record Time-Lapse Video button to start capturing a sunset, a flower opening, or other experiences over a period of time. Tap the Record Time-Lapse Video button again to stop. The time-lapse photos are compiled into a short video that you can watch and share.

Shoot some video. Choose Video, then tap the Record Video button to start and stop recording. Video records at 30 fps (frames per second).

Zoom in or out. (iSight camera) Pinch or spread the image on the screen.

If Location Services is turned on, photos and videos are tagged with location data that can be used by apps and photo-sharing websites. See Privacy on page 37.

Use the capture timer to put yourself in the shot. Avoid "camera shake" or add yourself to a picture by using the capture timer. To include yourself, first stabilize iPod touch and frame your shot. Tap ⏱, tap 3s (seconds) or 10s, then tap the Take Picture button.

Want to capture what's displayed on your screen? Simultaneously press and release the Sleep/Wake and Home buttons. The screenshot is added to the Photos tab in Photos and can also be viewed in the Camera Roll album or All Photos album (if you're using iCloud Photo Library beta).

Make it better. You can edit photos and trim videos, right on iPod touch. See Edit photos and trim videos on page 76.

HDR

HDR (High Dynamic Range) helps you get great shots, even in high-contrast situations. The best parts of three quick shots, taken at different exposures (long, normal, and short), are blended together into a single photo.

Use HDR. (iSight camera) Tap HDR. The flash is temporarily turned off. For best results, keep both iPod touch and the subject still.

Keep the normal photo in addition to the HDR version. Go to Settings > Photos & Camera > Keep Normal Photo. Both the normal and HDR versions of the photo appear in Photos. HDR versions of photos in your Camera Roll are marked with "HDR" in the corner.

View, share, and print

Photos and videos you take are saved in Photos. With iCloud Photo Library beta turned on, all new photos and videos are automatically uploaded and available in Photos on all your iOS 8.1 devices set up with iCloud Photo Library beta. See iCloud Photo Library beta on page 74. With iCloud Photo Library beta off, you can collect up to 1,000 of your most recent photos from all of your enabled devices in the My Photo Stream album. See My Photo Stream on page 73.

View your photos. Tap the thumbnail image, then swipe left or right to see the photos you've taken recently. Tap All Photos to see everything in the Photos app.

Tap the screen to show or hide the controls.

Get sharing and printing options. Tap ⍐. See Share from apps on page 32.

Upload photos and videos. Use iCloud Photo Library beta to upload photos and videos from your iPod touch to iCloud and access them on your iOS 8.1 devices signed into iCloud Photo Library beta using the same Apple ID. You can also upload and download your photos and videos from the Photos app on iCloud.com. See iCloud Photo Library beta on page 74.

Camera settings

Go to Settings > Photos & Camera for camera options, which include:

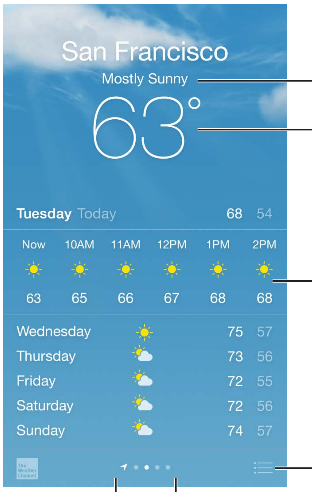
- iCloud Photo Library beta, My Photo Stream, and iCloud Photo Sharing
- Slideshow
- Grid
- HDR (models with iSight camera)

Adjust the volume of the shutter sound with the Ringer and Alerts settings in Settings > Sounds. Or mute the sound using the Ring/Silent switch. (In some countries, muting is disabled.)

Weather

13

Get the current temperature and ten-day forecast for one or more cities around the world, with hourly forecasts for the next 12 hours. Weather uses Location Services to get the forecast for your current location.


San Francisco
Mostly Sunny
63°
Tuesday Today 68 54
Now 10AM 11AM 12PM 1PM 2PM
63 65 66 67 68 68
Wednesday 75 57
Thursday 73 56
Friday 72 55
Saturday 72 56
Sunday 74 57

Current conditions

Current temperature

Current hourly forecast

Add or delete cities.

Number of cities stored

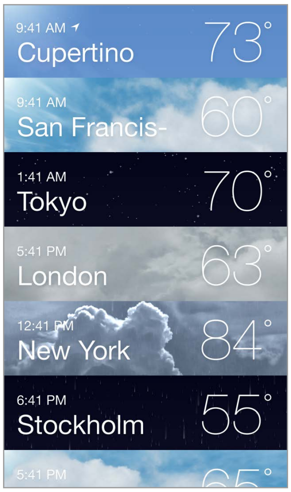
Swipe up to see your detailed forecast. Swipe left or right to see weather for another city, or tap ☰, then choose a city from the list. The leftmost screen shows your local weather when Location Services is on (Settings > Privacy > Location Services).

Add a city or make other changes. Tap ☰.

- *Add a city:* Tap +. Enter a city or zip code, then tap Search.
- *Rearrange the order of cities:* Touch and hold a city, then drag it up or down.
- *Delete a city:* Slide the city to the left, then tap Delete.
- *Choose Fahrenheit or Celsius:* Tap °F or °C.

View the current hourly forecast. Swipe the hourly display left or right.

See all cities at once. Pinch the screen or tap ☰.


9:41 AM
Cupertino
73°
9:41 AM
San Francis-
60°
1:41 AM
Tokyo
70°
5:41 PM
London
63°
12:41 PM
New York
84°
6:41 PM
Stockholm
55°
5:41 PM

Turn local weather on or off. Go to Settings > Privacy > Location Services. See Privacy on page 37.

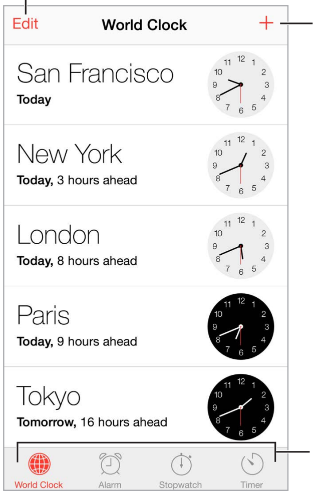
Use iCloud to push your list of cities to your other iOS devices. Go to Settings > iCloud > iCloud Drive (or Documents & Data), then make sure either iCloud Drive or Documents & Data is on. See iCloud on page 15.

Clock

14

Clock at a glance

The first clock displays the time based on your location when you set up iPod touch. Add other clocks to show the time in other major cities and time zones.



Delete clocks or change their order.

Add a clock.

View clocks, set an alarm, time an event, or set a timer.

Edit

World Clock

+

San Francisco
Today

New York
Today, 3 hours ahead

London
Today, 8 hours ahead

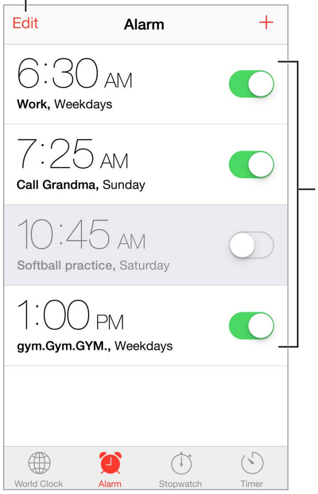
Paris
Today, 9 hours ahead

Tokyo
Tomorrow, 16 hours ahead

Alarms and timers

Want iPod touch to wake you? Tap Alarm, then tap +. Set your wake-up time and other options, then give the alarm a name (like "Good morning").

Tap to change options or delete an alarm.



Edit Alarm +

6:30 AM
Work, Weekdays

7:25 AM
Call Grandma, Sunday

10:45 AM
Softball practice, Saturday

1:00 PM
gym.Gym.GYM., Weekdays

Turn saved alarms on or off.

No wasting time! You can also use the stopwatch to keep time, record lap times, or set a timer to alert you when time's up. If you're soft boiling an egg, just tell Siri to "Set the timer for 3 minutes."

Want to fall asleep to music or a podcast? Tap Timer, then tap When Timer Ends and choose Stop Playing at the bottom.

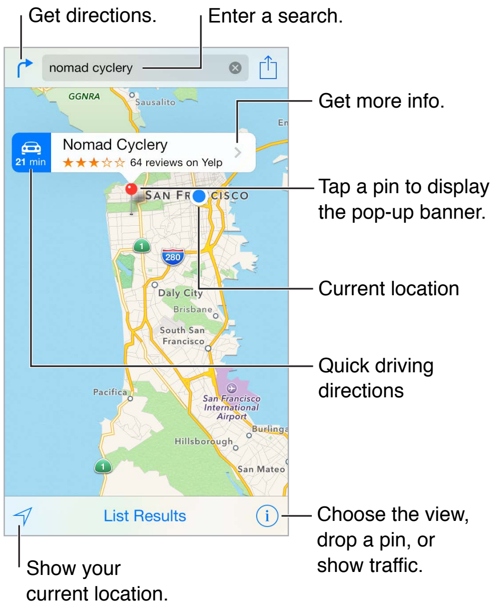
Get quick access to clock features. Swipe up from the bottom edge of the screen to open Control Center, then tap ⏲. You can access Timer from Control Center even when iPod touch is locked. You can also navigate to the other clock features.

Maps

15

Find places

WARNING: For important information about navigation and avoiding distractions that could lead to dangerous situations, see Important safety information on page 149. See also Privacy on page 37.


Get directions.
Enter a search.
nomad cyclery
Get more info.
Nomad Cyclery
64 reviews on Yelp
21 min
Tap a pin to display the pop-up banner.
SAN FRANCISCO
Current location
Daly City
Quick driving directions
List Results
Choose the view, drop a pin, or show traffic.
Show your current location.

Move around Maps by dragging the screen. To face a different direction, rotate with two fingers. To return to north, tap the compass in the upper right.

Zoom in or out. Double-tap with one finger to zoom in and tap with two fingers to zoom out—or pinch or spread. The scale appears in the upper left while zooming, or if you touch the screen with two fingers. To change how distance is shown (miles or kilometers), go to Settings > Maps.

Search for a location. Tap the search field. You can search for a location in different ways. For example:

- Intersection ("8th and market")
- Area ("greenwich village")
- Landmark ("guggenheim")

- Zip code
- Business (“movies,” “restaurants san francisco ca,” “apple inc new york”)

Maps may also list recent locations, searches, or directions that you can choose from.

Find the location of a contact, or of a favorite or recent search. Tap Favorites.

Choose your view. Tap ⓘ, then choose Standard, Hybrid, or Satellite.

Manually mark a location. Touch and hold the map until the dropped pin appears.

Get more info

Note: To get directions, iPod touch must be connected to the Internet. To get directions involving your current location, Location Services must also be on.

Get info about a location. Tap a pin to display its banner, then tap >. Info might include Yelp reviews and photos, a webpage link, directions, and more.

To share the location, add the location to your Favorites, or use another app you install, tap ⇧. See Share from apps on page 32.

Get directions

Note: To get directions, iPod touch must be connected to the Internet. To get directions involving your current location, Location Services must also be on.

Get directions. Tap ↱, enter the starting and ending locations, then tap Route. Or choose a location or a route from the list, if available. Tap to select driving or walking directions, or to use an app for public or other modes of transportation such as Uber.

If a location banner is showing, directions to that location from your current location appear. To get other directions, tap the search field.

If multiple routes appear, tap the one you want to take.

- *View turn-by-turn directions:* Tap Start, then swipe left to see the next instruction.
- *See the route overview:* Tap Overview.
- *View the directions as a list:* Tap List Steps.

Get directions from your current location. Tap 🚗 on the banner of your destination. Tap to select driving or walking directions, or to use an app for public or other modes of transportation.

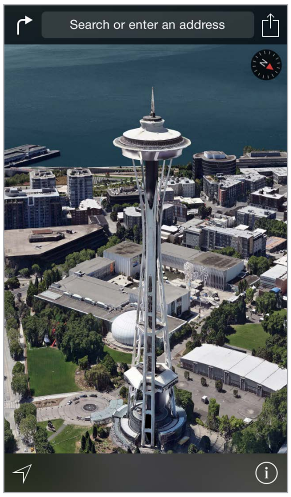
Use Maps on your Mac to get directions. Open Maps on your Mac (OS X Mavericks or later), get directions for your trip, then choose File > Share > Send to *your device*. Your Mac and iPod touch must both be signed into iCloud using the same Apple ID.

Find out about traffic conditions. Tap ⓘ, then tap Show Traffic. Orange dots show slowdowns, and red dots show stop-and-go traffic. To see an incident report, tap a marker.

Report a problem. Tap ⓘ, then tap Report a Problem.

3D and Flyover

With 3D and Flyover, you can see three-dimensional views and even fly over many of the world’s major cities.



View 3D map. Tap ⓘ, then tap Show 3D Map. Or drag two fingers up. (Zoom in for a closer look if Show 3D Map doesn’t appear.)

Adjust the angle. Drag two fingers up or down.

Take a Flyover Tour. An aerial tour is available for select cities, indicated by 3D next to the city name. (Zoom out if you don’t see any 3D markers.) Tap the name of the city to display its banner, then tap Tour to begin the tour. To stop the tour, tap the screen to display the controls, then tap End Flyover Tour. To return to standard view, tap ⓘ.

Maps settings

Go to Settings > Maps. Settings include:

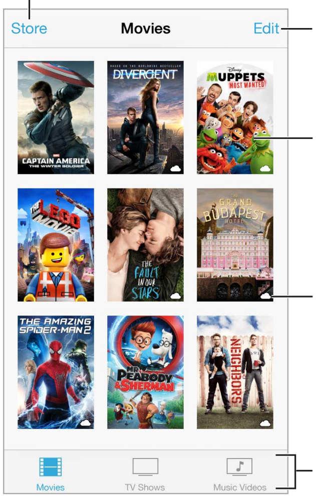
- Distances in miles or kilometers
- Map labels always appear in the language specified in Settings > General > International > Language

Videos

16

Videos at a glance

Open the Videos app to watch movies, TV shows, and music videos. To watch video podcasts, open the Podcasts app—see Podcasts at a glance on page 115. To watch videos you record using Camera on iPod touch, open the Photos app.



Add to your library.

Delete videos from your library.

Tap a video to play it.

This video hasn't been downloaded.

Choose a category.

WARNING: For important information about avoiding hearing loss, see Important safety information on page 149.

Watch a video. Tap the video in the list of videos.

What about videos you shot with iPod touch? Open the Photos app.

Stream or download? If ☁ appears on a video thumbnail, you can watch it without downloading it to iPod touch, if you have an Internet connection. To download the video to iPod touch so you can watch without using a Wi-Fi connection, tap ☁ in the video details.

Looking for podcasts or iTunes U videos? Open the Podcasts app or download the free iTunes U app from the App Store.

Set a sleep timer. Open the Clock app and tap Timer, then swipe to set the number of hours and minutes. Tap When Timer Ends and choose Stop Playing, tap Set, then tap Start.

Add videos to your library

Buy or rent videos from the iTunes Store. Tap Store in the Videos app, or open the iTunes Store app on iPod touch, then tap Videos. See Chapter 22, iTunes Store, on page 101. The iTunes Store is not available in all areas.

Transfer videos from your computer. Connect iPod touch, then sync videos from iTunes on your computer. See Sync with iTunes on page 17.

Stream videos from your computer. Turn on Home Sharing in iTunes on your computer. Then, on iPod touch, go to Settings > Videos and enter the Apple ID and password you used to set up Home Sharing on your computer. Then open Videos on iPod touch and tap Shared at the top of the list of videos.

Convert a video to work with iPod touch. If you try to sync a video from iTunes to iPod touch and a message says the video can't play on iPod touch, you can convert the video. Select the video in your iTunes library and choose File > Create New Version > "Create iPod or iPhone Version." Then sync the converted video to iPod touch.

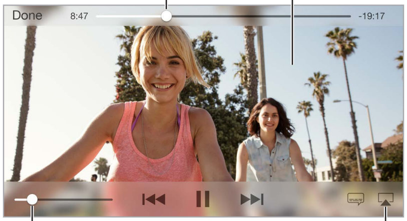
Delete a video. Tap Edit in the upper right of your collection. To delete an individual episode of a series, swipe left on the episode in the Episodes list. Deleting a video (other than a rented movie) from iPod touch doesn't delete it from the iTunes library on your computer, and you can sync the video back to iPod touch later. If you don't want to sync the video back to iPod touch, set iTunes to not sync the video. See Sync with iTunes on page 17.

Important: If you delete a rented movie from iPod touch, it's deleted permanently and cannot be transferred back to your computer.

Control playback

Drag to skip forward or back.

Tap to show or hide the controls.



Drag to adjust the volume.

Watch on a TV with Apple TV.

Scale the video to fill the screen or fit to the screen. Tap ⇕ or ▭. Or double-tap the video, to scale without showing the controls. If you don't see the scaling controls, your video already fits the screen perfectly.

Start over from the beginning. If the video contains chapters, drag the playhead along the scrubber bar all the way to the left. If there are no chapters, tap ⏮.

Skip to the next or previous chapter. Tap ⏭ or ⏮. You can also press the center button or equivalent on a compatible headset two times (skip to next) or three times (skip to previous).

Rewind or fast-forward. Touch and hold ⏮ or ⏭.

Select a different audio language. If the video offers other languages, tap ▤, then choose a language from the Audio list.

Show subtitles or closed captions. Tap ▤. Not all videos offer subtitles or closed captions.

Customize the appearance of closed captions. Go to Settings > General > Accessibility > Subtitles & Captioning.

Want to see closed captions and subtitles for the deaf and hard of hearing? Go to Settings > General > Accessibility > Subtitles & Captioning, then turn on Closed Captions + SDH.

Watch the video on a TV. Tap ⏏. For more about AirPlay and other ways to connect, see AirPlay on page 36.

Videos settings

Go to Settings > Videos, where you can:

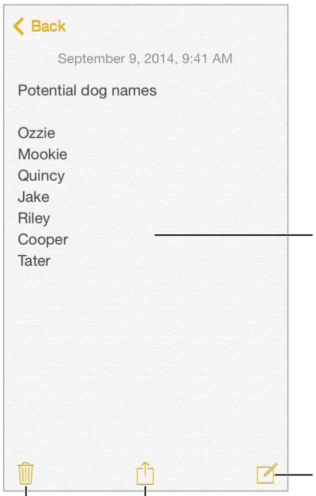
- Choose where to resume playback
- Choose to show only videos on iPod touch
- Log in to Home Sharing

Notes

17

Notes at a glance

Type notes on iPod touch, and iCloud automatically makes them available on your other iOS devices and Mac computers. You can also read and create notes in other accounts, such as Gmail or Yahoo!.



September 9, 2014, 9:41 AM

Potential dog names

Ozzie
Mookie
Quincy
Jake
Riley
Cooper
Tater

Tap to edit.

Write a new note.

Share or print.

Delete this note.

See your notes on your other devices. If you use an icloud.com, me.com, or mac.com email address for iCloud, go to Settings > iCloud, then turn on Notes. If you use Gmail or another IMAP account for iCloud, go to Settings > Mail, Contacts, Calendars, then turn on Notes for the account. Your notes appear in Notes on all your other iOS devices and Mac computers that use the same Apple ID.

Delete a note. Swipe left over the note in the list of notes.

Search for a note. Scroll to the top of a list of notes (or tap the top of the screen) to reveal the search field, then tap the field and type what you're looking for. You can also search for notes from the Home screen—just drag down the middle of the screen.

Share or print. Tap ⇧ at the bottom of the note. You can share via Messages, Mail, or AirDrop.

Use notes in multiple accounts

Share notes with other accounts. You can share notes with other accounts, such as Google, Yahoo!, or AOL. Go to Settings > Mail, Contacts, Calendars, then turn on Notes for the account. To create a note in a specific account, tap Accounts at the top of a list of notes, select the account, then tap New. Notes you create in the account on iPod touch show up in the notes folder of the account.

Choose the default account for new notes. Go to Settings > Notes.

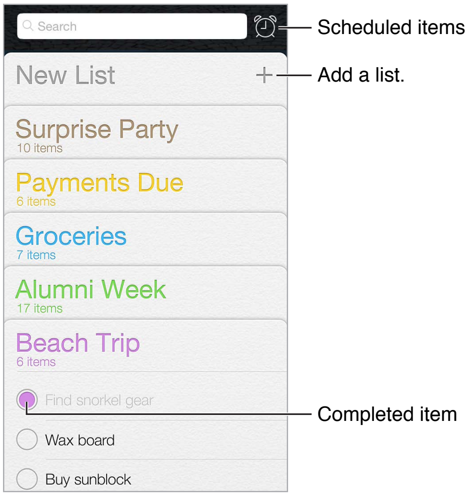
See all notes in an account. Tap Accounts at the top of a list of notes, then choose the account.

Reminders

18

Reminders at a glance

Reminders lets you keep track of all the things you need to do.


Search
New List
Surprise Party
10 items
Payments Due
6 items
Groceries
7 items
Alumni Week
17 items
Beach Trip
6 items
Find snorkel gear
Wax board
Buy sunblock
Scheduled items
Add a list.
Completed item

Add a reminder. Tap a list, then tap a blank line.

Share a list. Tap a list, then tap Edit. Tap Sharing, then tap Add Person. The people you share with also need to be iCloud users. After they accept your invitation to share the list, you'll all be able to add, delete, and mark items as completed. Family members can also share a list. See Family Sharing on page 33.

Delete a list. While viewing a list, tap Edit, then tap Delete List.

Delete a reminder. Swipe the reminder left, then tap Delete.

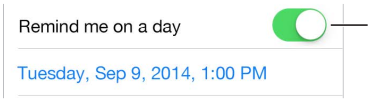
Change the order of lists. Touch and hold the list name, then drag the list to a new location. To change the order of items in a list, tap Edit.

What list was that in? Scroll to the top to see the search field. All lists are searched, by the reminder name. You can also use Siri to find reminders. For example say, "Find the reminder about milk."

With OS X Yosemite, you can hand off reminders you're editing between your Mac and iPod touch. See About Continuity features on page 23.

Scheduled reminders

Scheduled reminders notify you when they're due.



Remind me on a day

Tuesday, Sep 9, 2014, 1:00 PM

Scheduled reminder

Schedule a reminder. While editing a reminder, tap ⓘ, then turn on "Remind me on a day." Tap Alarm to set the date and time. Tap Repeat to schedule the reminder for regularly occurring intervals.

See all scheduled reminders. Tap ⏰ to show the Scheduled list.

Don't bother me now. You can turn off Reminders notifications in Settings > Notifications. To silence notifications temporarily, turn on Do Not Disturb.

Reminders settings

Go to Settings > Reminders, where you can:

- Set a default list for new reminders
- Sync past reminders

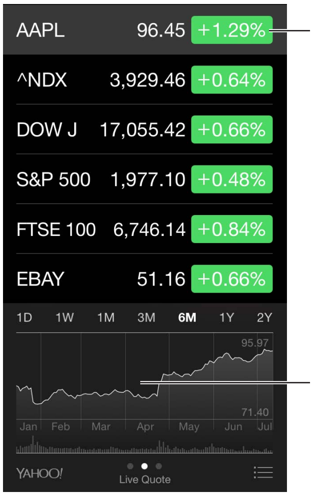
Keep your reminders up to date on other devices. Go to Settings > iCloud, then turn on Reminders. To keep up to date with Reminders on OS X, turn on iCloud on your Mac, too. Some other types of accounts, such as Exchange, also support Reminders. Go to Settings > Mail, Contacts, Calendars, then turn on Reminders for the accounts you want to use.

Stocks

19

Keep track of the major exchanges and your stock portfolio, see the change in value over time, and get news about the companies you're watching.

Note: To use Stocks, iPod touch must be connected to the Internet. See Connect to the Internet on page 14.



AAPL	96.45	+1.29%
^NDX	3,929.46	+0.64%
DOW J	17,055.42	+0.66%
S&P 500	1,977.10	+0.48%
FTSE 100	6,746.14	+0.84%
EBAY	51.16	+0.66%

Tap to see percent change. Tap again to see market capitalization.

Swipe left or right to see stats or news articles.

Manage your stock list. Tap ☰.

- *Add an item:* Tap +. Enter a symbol, company name, fund name, or index, then tap Search.
- *Delete an item:* Tap ⊖.
- *Rearrange the order of items:* Drag ≡ up or down.

While viewing stock info, you can tap any of the values along the right side of the screen to switch the display to price change, market capitalization, or percentage change. Swipe the info beneath the stock list to see the summary, chart, or news for the selected stock. Tap a news headline to view the article in Safari.

You can also see your stocks in the Today tab of Notification Center. See Notification Center on page 31.

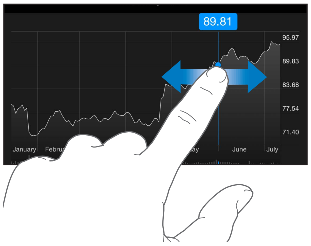
Note: Quotes may be delayed 20 minutes or more, depending upon the reporting service.

Add a news article to your reading list. Touch and hold the news headline, then tap Add to Reading List.

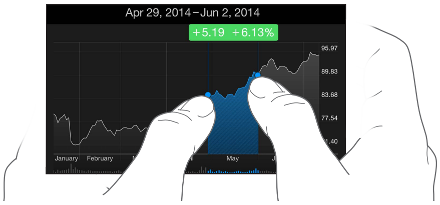
Find out more. Tap YAHOO!

View a full-screen chart. Rotate iPod touch to landscape orientation. Swipe left or right to see your other stock charts.

- *See the value for a specific date or time:* Touch the chart with one finger.


89.81
95.97
89.83
83.68
77.54
71.40
January
Febru
ay
June
July

- *See the difference in value over time:* Touch the chart with two fingers.


Apr 29, 2014–Jun 2, 2014
+5.19 +6.13%
95.97
89.83
83.68
77.54
1.40
January
February
May

Use iCloud to keep your stock list up to date on your iOS devices. Go to Settings > iCloud, then turn on iCloud Drive or Documents & Data. See iCloud on page 15.

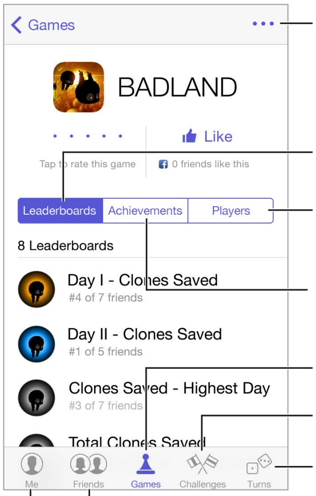
Game Center

20

Game Center at a glance

Game Center lets you play your favorite games with friends who have an iOS device or a Mac (OS X Mountain Lion or later). You must be connected to the Internet to use Game Center.

WARNING: For important information about avoiding repetitive motion injuries, see Important safety information on page 149.


Games
BADLAND
Like
Tap to rate this game
0 friends like this
Leaderboards
Achievements
Players
8 Leaderboards
Day I - Clones Saved
#4 of 7 friends
Day II - Clones Saved
#1 of 5 friends
Clones Saved - Highest Day
#3 of 7 friends
Total Clones Saved
Me
Friends
Games
Challenges
Turns

Play, share, or remove this game.

See who's the best.

Find someone to play against.

Explore game goals.

Choose a game.

It's on!

Is it your turn?

Invite friends to play.

Declare your status or change your photo.

Get started. Open Game Center. If you see your nickname at the top of the screen, you're already signed in. Otherwise, you'll be asked for your Apple ID and password.

Get some games. Tap Games, then tap a recommended game, browse for games in the App Store (look for Supports Game Center in the game details), or get a game one of your friends has. See Play games with friends on page 99.

Play! Tap Games, choose a game, tap ••• in the upper right, then tap Play.

Sign out? No need to sign out when you quit Game Center, but if you want to, go to Settings > Game Center, then tap your Apple ID.

Play games with friends

Invite friends to a multiplayer game. Tap Friends, choose a friend, choose a game, then tap ••• in the upper right. If the game allows or requires more players, choose the players, then tap Next. Send your invitation, then wait for the others to accept. When everyone's ready, start the game. If a friend isn't available or doesn't respond, you can tap Auto-Match to have Game Center find another player for you, or tap Invite Friend to invite someone else.

Send a friend request. Tap Friends, tap +, then enter your friend's email address or Game Center nickname. To browse your contacts, tap ⊕. (To add several friends in one request, type Return after each address.) Or tap any player you see anywhere in Game Center.

Challenge someone to outdo you. Tap one of your scores or achievements, then tap Challenge Friends.

What are your friends playing and how are they doing? Tap Friends, tap your friend's name, then tap the Games or Points bubble.

Want to purchase a game your friend has? Tap Friends, then tap your friend's name. Tap their Games bubble, tap the game in the list, then tap ••• in the upper right.

Make new friends. To see a list of your friend's friends, tap Friends, tap your friend's name, then tap their Friends bubble.

Unfriend a friend. Tap Friends, tap the friend's name, then tap ••• in the upper right.

Keep your email address private. Turn off Public Profile in your Game Center account settings. See Game Center settings, below.

Turn off multiplayer activity or friend requests. Go to Settings > General > Restrictions. If the switches are dimmed, first tap Enable Restrictions at the top.

Keep it friendly. To report offensive or inappropriate behavior, tap Friends, tap the person's name, tap ••• in the upper right, then tap Report a Problem.

Game Center settings

Go to Settings > Game Center, where you can:

- Sign out (tap your Apple ID)
- Allow invites
- Let nearby players find you
- Edit your Game Center profile (tap your nickname)
- Get friend recommendations from Contacts or Facebook

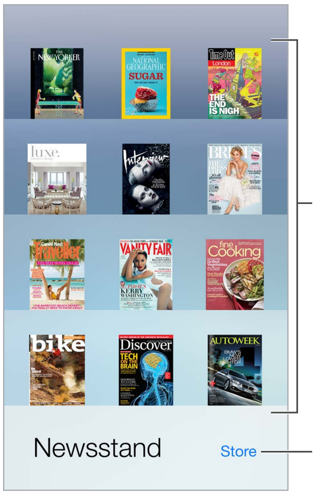
Specify which notifications you want for Game Center. Go to Settings > Notifications > Game Center. If Game Center doesn't appear, turn on Notifications.

Change restrictions for Game Center. Go to Settings > General > Restrictions.

Newsstand

21

Newsstand organizes your magazine and newspaper apps, and automatically updates them when iPod touch is connected to Wi-Fi.



Touch and hold a publication to rearrange.

Find Newsstand apps.

Find Newsstand apps. Tap Newsstand to reveal the shelf, then tap Store. When you purchase a Newsstand app, it's added to the shelf. After the app is downloaded, open it to view its issues and subscription options. Subscriptions are In-App purchases, billed to your store account.

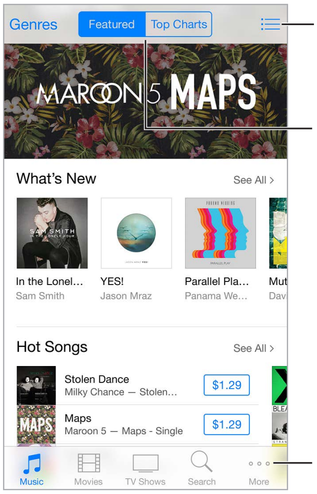
Turn off automatic updates. Apps update automatically over Wi-Fi, unless you turn off the option in Settings > General > Background App Refresh.

iTunes Store

22

iTunes Store at a glance

Use the iTunes Store to add music, movies, TV shows, and more to iPod touch.


Genres
Featured
Top Charts
MAROON 5 MAPS
What's New
See All >
In the Lonel…
Sam Smith
YES!
Jason Mraz
Parallel Pla…
Panama We…
Hot Songs
See All >
Stolen Dance
Milky Chance — Stolen…
$1.29
Maps
Maroon 5 — Maps - Single
$1.29
Music
Movies
TV Shows
Search
More

View your lists.

Browse

See purchases, tones, audiobooks, and more.

Note: You need an Internet connection and an Apple ID to use the iTunes Store. The iTunes Store is not available in all areas.

Browse or search

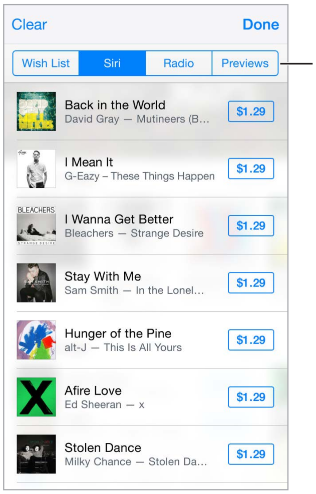
Browse by genre. Tap one of the categories (Music, Movies, or TV Shows). Tap Genres to refine the list.

If you know what you're looking for, tap Search. You can tap a search term that's trending among other iTunes users, or enter info in the search field, then tap Search again.

Access family members' purchases. With Family Sharing turned on, you can view and download songs, TV shows, and movies purchased by other family members. Tap Purchased, tap your name or My Purchases, then select a family member from the menu.

Find it with Siri. Siri can search for items and make purchases in the iTunes Store. For example, you can say "Get a new ringtone" or "Purchase *song name* by *band name*." You can ask Siri to download a podcast or redeem a gift card. For best results, say "purchase" instead of "buy" at the beginning of a Siri command.

Ask Siri to tag it. When you hear music playing around you, ask Siri "What song is playing?" Siri tells you what the song is and gives you an easy way to purchase it. It also saves it to the Siri tab in the iTunes Store so you can buy it later. Tap Music, tap ☰, then tap the Siri tab to see a list of tagged songs available for preview or purchase.



Back in the World — David Gray — Mutineers (B... — $1.29
I Mean It — G-Eazy – These Things Happen — $1.29
I Wanna Get Better — Bleachers — Strange Desire — $1.29
Stay With Me — Sam Smith — In the Lonel... — $1.29
Hunger of the Pine — alt-J — This Is All Yours — $1.29
Afire Love — Ed Sheeran — x — $1.29
Stolen Dance — Milky Chance — Stolen Da... — $1.29

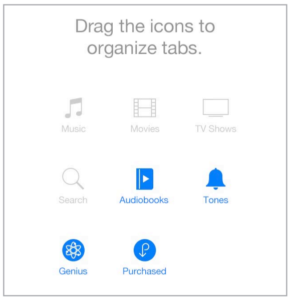
Tap to see your Wish List and recommendations.

Discover great new music on iTunes Radio. When you listen to iTunes Radio, songs you play appear in the Radio tab in the iTunes Store so you can preview or purchase them. Tap Music, tap ☰, then tap Radio to see your favorite songs available to preview or purchase.

Preview a song or video. Tap it.

Add to your Wish List. When you hear something you hope to buy from the iTunes Store, tap ⇪, then tap Add to Wish List. To view your Wish List in the iTunes Store, tap Music, Movies, or TV Shows, tap ☰, then tap Wish List.

Tired of tapping More? To rearrange the buttons, tap More, then tap Edit. To replace a button, drag another icon over the one you want to replace. Then tap Done.


Drag the icons to organize tabs.

Purchase, rent, or redeem

Tap an item's price (or tap Free), then tap again to buy it. If you see ☁ instead of a price, you've already purchased the item and you can download it again without a charge.

Approve purchases with Family Sharing. With Family Sharing set up, the family organizer can review and approve purchases made by family members under the age of 18. For example, if Parent/Guardian > Ask to Buy is set for specific minor family members, when those members try to make a purchase, a message is sent to the family organizer for approval. For more information about setting up Family Sharing, see Family Sharing on page 33.

Note: Age restrictions for Ask to Buy vary by area. In the United States, the family organizer can enable Ask to Buy for any family member under age 18; for children under age 13, it's enabled by default.

Hide individual purchases. Using iTunes on a computer, family members can hide any of their purchases so other family members can't view or download them. For more information, see Family Sharing on page 33.

Use a gift card or code. Tap a category (for example, Music), scroll to the bottom, then tap Redeem. Or tell Siri "Redeem an iTunes Store gift card."

Send a gift. View the item you want to give, tap ⍐, then tap Gift. Or tap one of the categories (Music, Movies, or TV Shows), scroll to the bottom, then tap Send Gift to send an iTunes gift certificate to someone.

Use iTunes Pass. You can add an iTunes Pass to Passbook, which makes it easy to add money to your Apple ID so you can make purchases from the iTunes Store, App Store, and iBooks Store without using a credit or debit card. To add your iTunes Pass in iTunes Store, tap a category, scroll to the bottom, tap Redeem, then tap Get Started under iTunes Pass. You can add money to your iTunes Pass at Apple Retail Stores in most countries.

See the progress of a download. Tap More, then tap Downloads.

Bought something on another device? Go to Settings > iTunes & App Store to set up automatic downloads on your iPod touch. You can always view your purchased music, movies, and TV shows in the iTunes Store (tap More, then tap Purchased).

Watch your time with rentals. In some areas, you can rent movies. You have 30 days to begin watching a rented movie. After you start watching it, you can play it as many times as you want in the allotted time (24 hours in the U.S. iTunes Store; 48 hours in other countries). Once your time's up, the movie is deleted. Rentals can't be transferred to another device; however, you can use AirPlay and Apple TV to view a rental on your television.

iTunes Store settings

To set options for the iTunes Store, go to Settings > iTunes & App Store.

View or edit your account. Tap your Apple ID, then tap View Apple ID. To change your password, tap the Apple ID field.

Sign in using a different Apple ID. Tap your account name, then tap Sign Out. Then enter a different Apple ID.

Subscribe to or turn on iTunes Match. You can subscribe to iTunes Match, a service that stores your music and more in iCloud. See iCloud and iTunes Match on page 62. If you're a subscriber, tap iTunes Match so you can access your music on iPod touch anywhere. Tap "Learn more" for more information about iTunes Match.

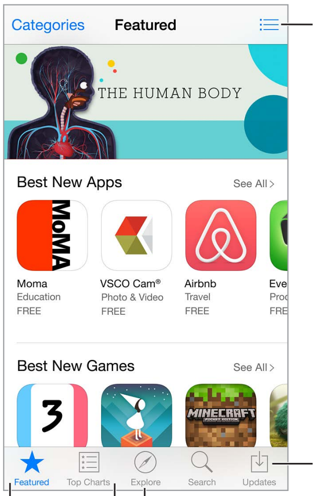
Turn on automatic downloads. Tap Music, Books, or Updates. Content updates automatically over Wi-Fi, unless you turn off the option in Automatic Downloads.

App Store

23

App Store at a glance

Use the App Store to browse, purchase, and download apps to iPod touch. Your apps update automatically over Wi-Fi (unless you turn off this feature), so you can keep up with the latest improvements and features.


Categories
Featured
THE HUMAN BODY
Best New Apps
See All >
Moma
Education
FREE
VSCO Cam®
Photo & Video
FREE
Airbnb
Travel
FREE
Best New Games
See All >
MINECRAFT
Featured
Top Charts
Explore
Search
Updates

See your Wish List and other suggestions for you.

View purchases and updates.

Browse

Explore apps by category and popularity.

Note: You need an Internet connection and an Apple ID to use the App Store. The App Store is not available in all areas.

Find apps

If you know what you're looking for, tap Search. Or tap Categories to browse by type of app.

Ask Siri to find it. Siri can search for items and make purchases in the App Store. For example, tell Siri to "Find apps by Apple" or "Purchase *app name*."

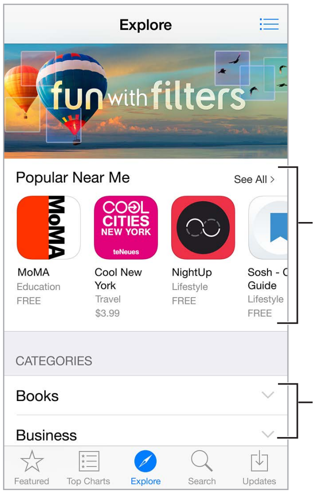
Access family members' apps. With Family Sharing turned on, you can view and download apps purchased by other family members. Tap Purchased, tap your name or My Purchases, then select a family member from the menu. For more information, see Family Sharing on page 33.

Want to tell a friend about an app? Find the app, tap ⇧, then choose the method. See Share from apps on page 32.

Use Wish List. To track an app you might want to purchase later, tap ⇧ on the app page, then tap Add to Wish List.

Search apps by category. Tap Explore, scroll to Categories, then tap a category to focus on the apps you want, for example, Education, Medical, or Sports. Tap subcategories to further refine your results.

What apps are being used nearby? Tap Explore to find out the most popular apps others around you are using. (Location Services must be on in Settings > Privacy > Location Services.) Try this at a museum, sporting event, or when you're traveling, to dig deeper into your experience.


Explore
fun with filters
Popular Near Me
See All >
MoMA
MoMA
Education
FREE
COOL CITIES NEW YORK
Cool New York
Travel
$3.99
NightUp
Lifestyle
FREE
Sosh - Guide
Lifestyle
FREE
CATEGORIES
Books
Business
Featured
Top Charts
Explore
Search
Updates

Tap to learn more, download, or purchase.

Check out apps in your areas of interest.

Delete an app. Touch and hold the app icon on the Home screen until the icon jiggles, then tap ⊗. When you finish, press the Home button. You can't delete built-in apps. Deleting an app also deletes its data. You can download any app you've purchased from the App Store again, free of charge.

For information about erasing all of your apps, data, and settings, see Reset iPod touch settings on page 153.

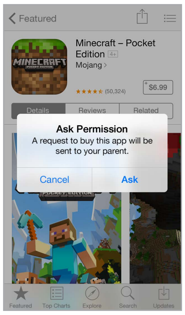
Purchase, redeem, and download

Tap the app's price, then tap Buy to purchase it. If it's free, tap Free, then tap Install.

If you see ☁ instead of a price, you've already purchased the app and you can download it again, free of charge. While the app is downloading or updating, its icon appears on the Home screen with a progress indicator.

Approve purchases with Family Sharing. With Family Sharing set up, the family organizer can review and approve purchases made by family members under the age of 18. For example, if Parent/Guardian > Ask to Buy is set for specific minor family members, when those members try to make a purchase, a message is sent to the family organizer for approval. For more information about setting up Family Sharing, see Family Sharing on page 33.

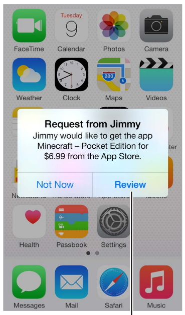
Note: Age restrictions for Ask to Buy vary by area. In the United States, the family organizer can enable Ask to Buy for any family member under age 18; for children under age 13, it's enabled by default.



Ask Permission

A request to buy this app will be sent to your parent.

Featured
Minecraft – Pocket Edition 4+
Mojang
(50,324)
$6.99
Details
Reviews
Related
Cancel
Ask
Featured
Top Charts
Explore
Search
Updates



Request from Jimmy

Jimmy would like to get the app Minecraft – Pocket Edition for $6.99 from the App Store.

FaceTime
Tuesday 9
Calendar
Photos
Camera
Weather
Clock
Maps
Videos
Not Now
Review
Health
Passbook
Settings
Messages
Mail
Safari
Music

Find out more about the requested app.

Hide individual purchases. Using iTunes on a computer, family members can hide any of their purchases so other family members can't view or download them. For more information, see Family Sharing on page 33.

Use a gift card or code. Tap Featured, scroll to the bottom, then tap Redeem. Or tell Siri "Redeem an iTunes Store gift card."

Send a gift. View the item you want to give, tap ⇪, then tap Gift. Or tap Featured, scroll to the bottom, then tap Send Gift to send an iTunes gift certificate to someone.

Restrict in-app purchases. Many apps provide extra content or enhancements for a fee. To limit purchases that can be made from within an app, go to Settings > General > Restrictions (make sure Restrictions is enabled), then set options (for example, restrict by age rating or require a password immediately or every 15 minutes). You can turn off In-App Purchases to prevent all purchases. See Restrictions on page 37.

Use iTunes Pass. You can add an iTunes Pass to Passbook, which makes it easy to add money to your Apple ID so you can make purchases from the iTunes Store, App Store, and iBooks Store without using a credit or debit card. To add your iTunes Pass in App Store, tap Featured, scroll to the bottom, tap Redeem, then tap Get Started under iTunes Pass. You can add money to your iTunes Pass at Apple Retail Stores in most countries.

App Store settings

To set options for the App Store, go to Settings > iTunes & App Store.

View or edit your account. Tap your Apple ID, then tap View Apple ID. To change your password, tap the Apple ID field.

Sign in using a different Apple ID. Tap your account name, then tap Sign Out. Then enter the other Apple ID.

Turn off automatic downloads. Tap Apps in Automatic Downloads. Apps update automatically over Wi-Fi, unless you turn off the option.

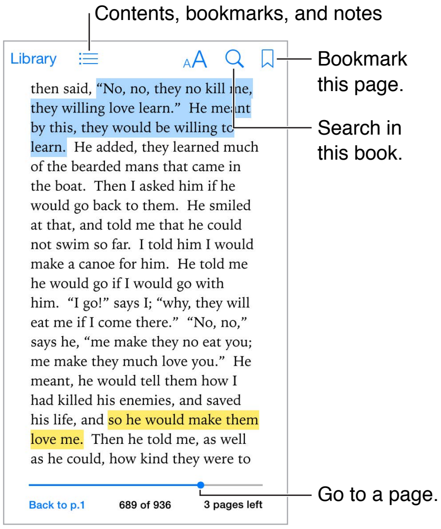
iBooks

24

Get books

Get books from the iBooks Store. In iBooks, use the buttons at the bottom of the screen to access the iBooks Store. Tap Featured to browse the latest releases, or Top Charts to view the most popular. To find a specific book, tap Search.

Read a book



then said, “No, no, they no kill me, they willing love learn.” He meant by this, they would be willing to learn. He added, they learned much of the bearded mans that came in the boat. Then I asked him if he would go back to them. He smiled at that, and told me that he could not swim so far. I told him I would make a canoe for him. He told me he would go if I would go with him. “I go!” says I; “why, they will eat me if I come there.” “No, no,” says he, “me make they no eat you; me make they much love you.” He meant, he would tell them how I had killed his enemies, and saved his life, and so he would make them love me. Then he told me, as well as he could, how kind they were to

Open a book. Tap the book you want to read. If you don’t see it in the Library, swipe left or right to see other collections.

Show the controls. Tap near the center of a page. Not all books have the same controls, but some of the things you can do include searching, viewing the table of contents, and sharing what you’re reading.

Close a book. Tap Library, or pinch the page.

Enlarge an image. Double-tap the image. In some books, touch and hold to display a magnifying glass you can use to view an image.

Go to a specific page. Use the page navigation controls at the bottom of the screen. Or tap 🔍 and enter a page number, then tap the page number in the search results.

Get a definition. Double-tap a word, then tap Define in the menu that appears. Definitions aren't available for all languages.

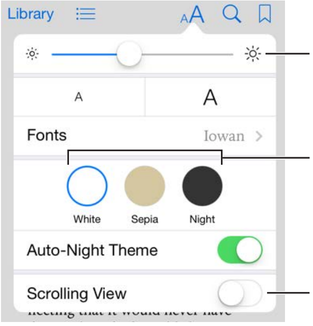
Remember your place. Tap 🔖 to add a bookmark, or tap again to remove it. You can have multiple bookmarks—to see them all, tap ☰, then tap Bookmarks.You don't need to add a bookmark when you close the book, because iBooks remembers where you left off.

Remember the good parts. Some books let you add notes and highlights. To add a highlight, touch and hold a word then move your finger to draw the highlight. To add a note, double-tap a word to select it, move the grab points to adjust the selection, then tap Note in the menu that appears.To see all the notes and highlights you've made, tap ☰, then tap Notes.

Share the good parts. Tap some highlighted text, then, in the menu that appears, tap ⍐. If the book is from the iBooks Store, a link to the book is included automatically. (Sharing may not be available in all regions.)

Share a link to a book. Tap near the center of a page to display the controls, then tap ☰. Next, tap ⍐, then tap Share Book.

Change the way a book looks. Some books let you change the font, font size, and color of the page. (Tap AA.) You can change justification and hyphenation in Settings > iBooks. These settings apply to all books that support them.



Brightness

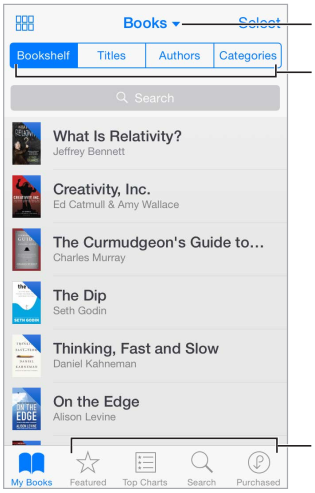
Page color

Turn off pagination.

Change the brightness. Tap ☼. If you don't see ☼, tap AA first.

Dim the screen when it's dark. Turn on Auto-Night Theme to automatically change the bookshelf, page color, and brightness when using iBooks in low-light conditions. (Not all books support Auto-Night Theme.)

Organize books


Books
Select
Bookshelf
Titles
Authors
Categories
Search
What Is Relativity?
Jeffrey Bennett
Creativity, Inc.
Ed Catmull & Amy Wallace
The Curmudgeon's Guide to…
Charles Murray
The Dip
Seth Godin
Thinking, Fast and Slow
Daniel Kahneman
On the Edge
Alison Levine
My Books
Featured
Top Charts
Search
Purchased

View collections.

Sort the list.

View on the iBooks Store

View books by title or by cover. Tap ▦ or ☰.

Organize your books with collections. Tap Select, then select some books to move them into a collection. To edit or create collections, tap the name of the current collection (at the top of the screen). Some built-in collections, such as PDFs, can't be renamed or deleted.

Rearrange books. While viewing a collection by cover, touch and hold a cover, then drag it to a new location. While viewing books by title, sort the list using the buttons at the top of the screen. The All Books collection is automatically arranged for you; switch to another collection if you want to manually arrange your books.

Search for a book. Pull down to reveal the Search field at the top of the screen. Searching looks for the title and the author's name.

Hide purchased books you haven't downloaded. Tap the name of the current collection (at the top of the screen), then turn on Hide iCloud Books.

Read PDFs

Sync a PDF. On a Mac, add the PDF to iBooks for OS X, then open iTunes, select the PDF, then sync. In iTunes on your Windows computer, choose File > Add to Library, select the PDF, then sync. See iTunes Help for more info about syncing.

Add a PDF email attachment to iBooks. Open the email message, then touch and hold its PDF attachment. Choose "Open in iBooks" from the menu that appears.

Print a PDF. With the PDF open, tap ⍐, then choose Print. You'll need an AirPrint-compatible printer. For more about AirPrint, see AirPrint on page 36.

Email a PDF. With the PDF open, tap ⍐, then choose Email.

iBooks settings

Go to Settings > iBooks, where you can:

- Sync collections and bookmarks (including notes and current page information) with your other devices.
- Display online content within a book. Some books might access video or audio that's stored on the web.
- Change the direction pages turn when you tap in the left margin.

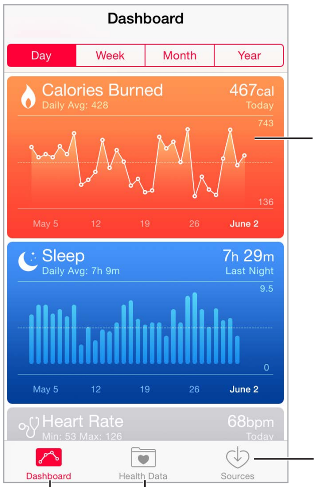
Health

25

Your health at a glance

Use the Health app to keep track of your health and fitness information. Enter data for key parameters, or let the Health app collect data from other apps and devices that monitor your health and activity. You can even share specific data with selected apps, and through apps with some health care providers.

WARNING: iPod touch and the Health app are not medical devices, see Important safety information on page 149.


Dashboard
Day
Week
Month
Year
Calories Burned
Daily Avg: 428
467cal
Today
743
136
May 5
12
19
26
June 2
Sleep
Daily Avg: 7h 9m
7h 29m
Last Night
9.5
0
May 5
12
19
26
June 2
Heart Rate
Min: 53 Max: 126
68bpm
Today
Dashboard
Health Data
Sources

Tap any item to see details.

Connect devices that update your exercise or medical status.

See all available data, control data sharing, or add to the Dashboard.

View selected health and fitness data.

Collect health and fitness data

Enter your own data. If the parameter is in your Dashboard, just tap it there, then tap Add Data Point. Otherwise, tap Health Data at the bottom of the screen, tap the parameter you want to update, then tap Add Data Point.

Collect data from a device. Follow the instructions that can come with the device to set it up. If it's a Bluetooth device, you need to pair it with iPod touch—see Bluetooth devices on page 36.

Collect data from an app. Follow the instructions that can come with the app to set it up, then watch for a sharing request where you control whether data is shared with the Health app.

Stop app data collection. Tap Sources at the bottom of the Health screen, then select the app from the Apps list. Or tap the associated parameter in your Dashboard or in the Health Data list, tap Share Data, then choose the app under Data Sources.

Share health and fitness data

Share data. Follow the instructions that come with the app or the device to set it up, then watch for a sharing request where you control whether data is shared by the Health app. For example, your health care provider might provide an app that sends blood pressure updates to your doctor. You need only install the app, then allow the Health app to share blood pressure data when prompted.

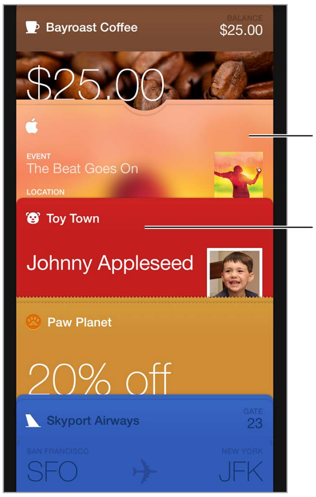
Stop sharing data. Tap Sources at the bottom of the Health screen, then select the app from the Apps list. Or tap the associated parameter in your Dashboard or in the Health Data list, tap Share Data, then choose the app under Share Data With.

Passbook

26

Passbook at a glance

Use Passbook to keep your boarding passes, movie tickets, coupons, loyalty cards, and more, all in one place. Scan a pass on iPod touch to check in for a flight, get in to a movie, or redeem a coupon. Passes can include useful information, such as the balance on your coffee card, a coupon's expiration date, or your seat number for a concert.


Bayroast Coffee
BALANCE
$25.00
$25.00
EVENT
The Beat Goes On
LOCATION
Toy Town
Johnny Appleseed
Paw Planet
20% off
Skyport Airways
GATE
23
SAN FRANCISCO
SFO
NEW YORK
JFK

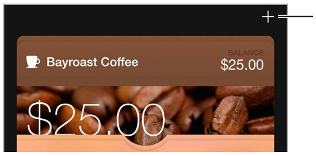
Tap a pass to view it.

Pull down to add a pass.

Passbook on the go

Find apps that support Passbook. Tap Apps for Passbook on the Welcome pass. Or, on your computer, go to www.itunes.com/passbookapps. Add a pass from an app, an email or a Messages message, or a website when you make a purchase or receive a coupon or gift. Usually, you tap or click the pass or the link to a pass to add it to Passbook. You can also scan codes, which are then downloaded to Passbook, from merchants' ads or receipts.

Scan a code. Pull down your passes list, tap +, then tap Scan Code. Point your iPod touch at the code and frame it to add the pass.


+
Bayroast Coffee
BALANCE
$25.00
$25.00

Tap to view scanning options.

Use a pass. If an alert for a pass appears on the Lock screen, slide the alert to display the pass. Or open Passbook, select the pass, then present the barcode on the pass to the scanner.

Share a pass. You can share a pass using Mail, Messages, or AirDrop. See Share from apps on page 32.

Display a pass based on location. A pass can appear on the Lock screen when you wake iPod touch at the right time or place—for example, when you reach the airport for a flight you're taking. Location Services must be turned on in Settings > Privacy > Location Services.

Rearrange passes. Drag a pass in the list to move it to a new location. The pass order is updated on all your iOS 7 or later devices.

Refresh a pass. Passes are usually updated automatically. To refresh a pass manually, tap the pass, tap ⓘ, then pull the pass downward.

Use iTunes Pass. You can add an iTunes Pass to Passbook, which makes it easy to add money to your Apple ID so you can make purchases from the iTunes Store, App Store, and iBooks Store without using a credit or debit card. To add your iTunes Pass, go to App Store > Redeem, then tap Getting Started with iTunes Pass. You can add money to your iTunes Pass at Apple Retail Stores in most countries.

Done with a pass? Tap the pass, tap ⓘ, then tap Delete.

Passbook settings

Keep passes from appearing on the Lock screen. Go to Settings > Passcode and tap Turn Passcode On. Then under Allow Access When Locked, turn off Passbook. For passes with notifications, to keep a specific pass from appearing on the Lock screen, tap the pass, tap ⓘ, then turn off Show On Lock Screen.

Set notification options. Go to Settings > Notifications > Passbook.

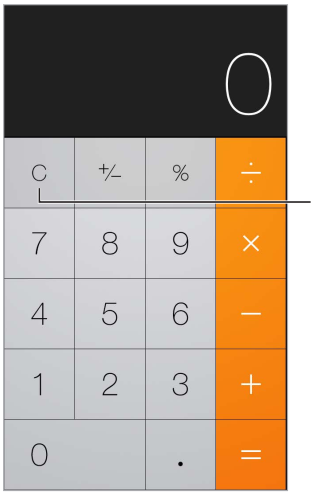
Include passes on your other iOS devices. Go to Settings > iCloud and turn on Passbook.

Calculator

27

Tap numbers and functions in Calculator, just as you would with a standard calculator.

Get to Calculator quickly! Swipe up from the bottom edge of the screen to open Control Center.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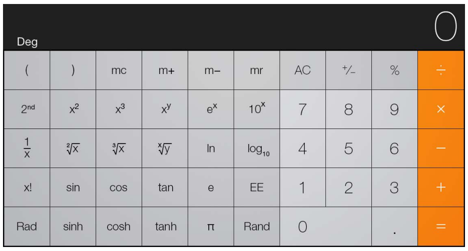
Clear the display.

To use the scientific calculator, rotate iPod touch to landscape orientation.


Deg
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)
mc
m+
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mr
AC
+/−
%
÷
2nd
x^2
x^3
x^y
e^x
10^x
7
8
9
×
$\frac{1}{x}$
$\sqrt[2]{x}$
$\sqrt[3]{x}$
$\sqrt[y]{x}$
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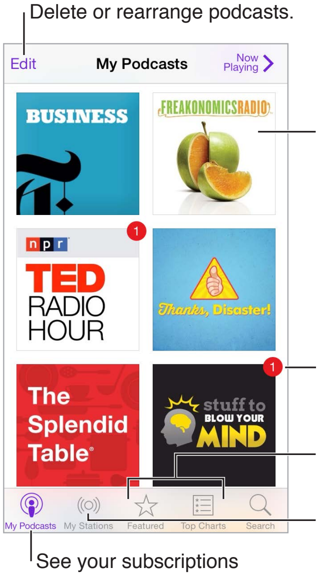
Podcasts

28

Podcasts at a glance

Open the Podcasts app, then browse, subscribe to, and play your favorite audio or video podcasts on iPod touch.


Edit
My Podcasts
Now Playing
BUSINESS
FREAKONOMICS RADIO
npr
TED RADIO HOUR
1
Thanks, Disaster!
The Splendid Table
1
stuff to BLOW YOUR MIND
My Podcasts
My Stations
Featured
Top Charts
Search

Delete or rearrange podcasts.

Tap a podcast to view and play episodes.

New episodes

Browse for podcasts.

Organize and automatically update your favorites.

See your subscriptions and downloaded podcasts.

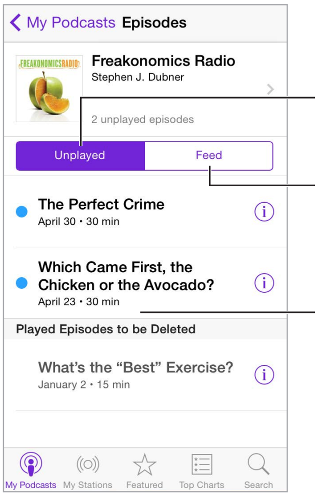
Get podcasts and episodes

Discover more podcasts. Tap Featured or Top Charts at the bottom of the screen.

Search for new podcasts. Tap Search at the bottom of the screen.

Search your library. Tap My Podcasts, then swipe down in the center of the screen to reveal the Search field.

Preview or stream an episode. Tap the podcast, then tap an episode.


My Podcasts
Episodes
FREAKONOMICSRADIO
Freakonomics Radio
Stephen J. Dubner
2 unplayed episodes
Unplayed
Feed
The Perfect Crime
April 30 • 30 min
Which Came First, the Chicken or the Avocado?
April 23 • 30 min
Played Episodes to be Deleted
What's the "Best" Exercise?
January 2 • 15 min
My Podcasts
My Stations
Featured
Top Charts
Search

View unplayed episodes.

View available episodes.

Pull down to see Edit, Settings, and Share options.

Get more info. Tap ⓘ to get episode details. Tap any link in podcast or episode descriptions to open them in Safari.

Find new episodes. Tap Unplayed to find episodes you haven't yet heard.

Browse episodes. Tap Feed to see episodes available to download or stream.

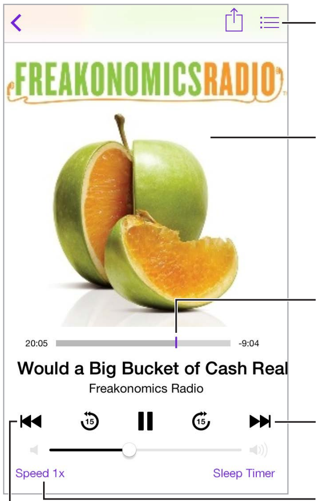
Download an episode to iPod touch. Tap ☁ next to the episode.

Get new episodes as they are released. Subscribe to the podcast. If you're browsing Featured podcasts or Top Charts, tap the podcast, then tap Subscribe. If you've already downloaded episodes, tap My Podcasts, tap the podcast, tap Settings at the top of the episode list, then turn on Subscription.

Save episodes. Tap ⓘ next to an episode, then tap Save Episode. Tap Delete Download to delete a saved episode.

Control playback

Use the playback controls to go forward and back in a podcast, set the speed, skip episodes, and more.


FREAKONOMICS RADIO
20:05
-9:04
Would a Big Bucket of Cash Real
Freakonomics Radio
15
15
Speed 1x
Sleep Timer

See a list of episodes.

Tap to see more info.

Drag to skip forward or back.

Skip to the next episode.

Tap to speed up or slow down.

Tap to start over, or double-tap to go to the previous episode.

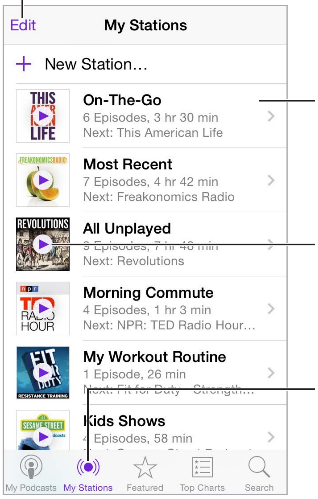
See podcast info while you listen. Tap the podcast image on the Now Playing screen.

Use your voice. Tell Siri to play available podcast episodes, or specific podcasts or stations. For example, say "Play podcasts" or "Play Freakonomics Radio."

Organize your favorites into stations

Organize your favorite podcasts into custom stations, and update episodes automatically across all your devices.

Delete or rearrange stations.


Edit
My Stations
New Station…
On-The-Go
6 Episodes, 3 hr 30 min
Next: This American Life
Most Recent
7 Episodes, 4 hr 42 min
Next: Freakonomics Radio
All Unplayed
Next: Revolutions
Morning Commute
4 Episodes, 1 hr 3 min
Next: NPR: TED Radio Hour…
My Workout Routine
1 Episode, 26 min
Kids Shows
Episodes, 58 min
My Podcasts
My Stations
Featured
Top Charts
Search

Tap a station to choose episodes or change settings.

Tap to play the latest episode.

Organize selected podcasts and episodes into stations.

Pull together episodes from different podcasts. To add episodes to your On-The-Go station, tap My Stations, tap On-The-Go, then tap Add. Or tap ⓘ next to any episode in your library. You can also touch and hold any episode, then tap Add to On-The-Go.

Create a station. Tap My Stations, then tap +.

Change the order of the station list or the podcasts in a station. Tap My Stations, tap Edit above the station list or the episode list, then drag ≡ up or down.

Change the playback order for episodes in a station. Tap the station, then tap Settings.

Rearrange your podcast library. Tap My Podcasts, tap list view in the upper right, tap Edit, then drag ≡ up or down.

List oldest episodes first. Tap My Podcasts, tap a podcast, then tap Settings.

Play podcasts from the station list. Tap ▶ next to the station name.

Podcasts settings

Go to Settings > Podcasts, where you can:

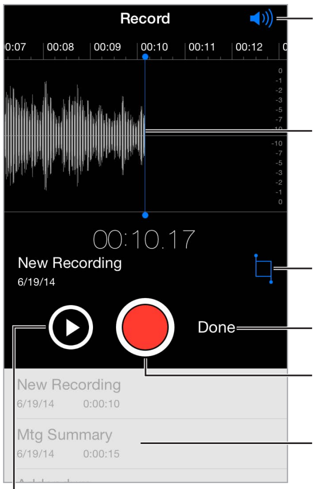
- Choose to keep your podcast subscriptions up to date on all of your devices.
- Choose how frequently Podcasts checks your subscriptions for new episodes.
- Have episodes downloaded automatically.
- Choose whether to keep episodes after you finish them.

Voice Memos

29

Voice Memos at a glance

Voice Memos lets you use iPod touch as a portable recording device. Use it with the built-in microphone, or a supported headset or external microphone.



Switch playback between receiver and speaker.

Drag recording level to position play/record head.

Trim the recording.

Save the recording.

Record, pause, or resume.

Your recordings

Listen before saving.

Record

Make a recording. Tap ● or press the center button on your headset. Tap again to pause or resume.

Recordings using the built-in microphone are mono, but you can record stereo using an external stereo microphone that works with the iPod touch headphones port or the Lightning connector. Look for accessories marked with the Apple "Made for iPod" or "Works with iPod" logo.

Adjust the recording level. Move the microphone closer to what you're recording. For better recording quality, the loudest level should be between –3 dB and 0 dB.

Preview before saving. Tap ▶ to the left of the Record button. To position the play head, drag the recording level display left or right.

Record over a section. Drag the recording level display to position the record/play head, then tap ●.

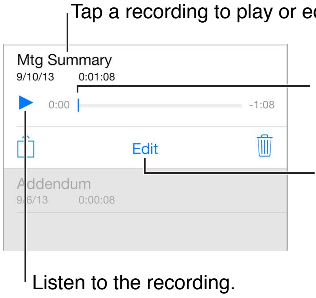
Trim the excess. Tap ⬚, then drag the red trim handles. Tap ▶ to check your edit. Adjust the trim handles if necessary, then tap Trim when you're finished.

Save the recording. Tap Done.

Mute the start and stop tones. Use the iPod touch volume buttons to turn the volume all the way down.

Multitask. To use another app while you're recording, press the Home button and open the other app. To return to Voice Memos, tap the red bar at the top of the screen.

Play it back



Tap a recording to play or edit it.

Drag to skip ahead or rewind.

Trim or rename the recording.

Listen to the recording.

Rename a recording. Tap the name of the recording.

Moving recordings to your computer

You can sync voice memos with the iTunes library on your computer, and listen to them on your computer or sync them with another iPod touch or iPhone.

When you delete a synced voice memo from iTunes, it stays on the device where it was recorded, but it's deleted from any other iPod touch or iPhone you synced. If you delete a synced voice memo on iPod touch, it's copied back to iPod touch the next time you sync with iTunes, but you can't sync that copy back to iTunes a second time.

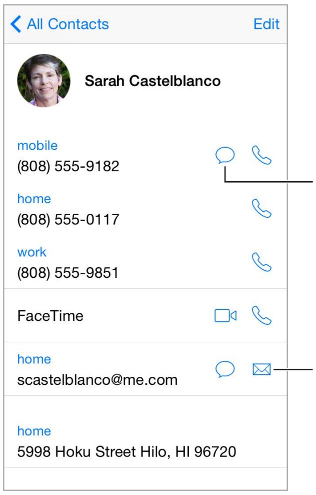
Sync voice memos with iTunes. Connect iPod touch to your computer. Then in iTunes, select iPod touch. Select Music at the top of the screen, select Sync Music, select "Include voice memos," then click Apply.

Voice memos synced from iPod touch to your computer appear in the Music list and in the Voice Memos playlist in iTunes. Voice memos synced from your computer appear in the Voice Memos app on iPod touch (but not in the Music app).

Contacts

30

Contacts at a glance



Sarah Castelblanco

mobile
(808) 555-9182

home
(808) 555-0117

work
(808) 555-9851

FaceTime

home
scastelblanco@me.com

home
5998 Hoku Street Hilo, HI 96720

Open in Messages.

Open in Mail.

Set your My Info card for Safari, Siri, and other apps. Go to Settings > Mail, Contacts, Calendars, then tap My Info and select the contact card with your name and information.

Let Siri know who's who. On your contact card, use the related persons fields to define relationships you want Siri to know about, so you can say things like "send a message to my sister."

Find a contact. Tap the search field at the top of the contacts list, then enter your search. You can also search your contacts using Spotlight Search (see Spotlight Search on page 30).

Share a contact. Tap a contact, then tap Share Contact. See Share from apps on page 32.

Change a label. If a field has the wrong label, such as Home instead of Work, tap Edit. Then tap the label and choose one from the list, or tap Custom Field to create one of your own.

Add your friends' social profiles. While viewing a contact, tap Edit, then tap "add social profile." You can add Twitter, Facebook, LinkedIn, Flickr, Myspace, and Sina Weibo accounts, or create a custom entry.

Delete a contact. Go to the contact's card, then tap Edit. Scroll down, then tap Delete Contact.

Add contacts

Besides entering contacts, you can:

- *Use your iCloud contacts:* Go to Settings > iCloud, then turn on Contacts.
- *Import your Facebook Friends:* Go to Settings > Facebook, then turn on Contacts in the "Allow These Apps to Use Your Accounts" list. This creates a Facebook group in Contacts.
- *Use your Google contacts:* Go to Settings > Mail, Contacts, Calendars, tap your Google account, then turn on Contacts.
- *Access a Microsoft Exchange Global Address List:* Go to Settings > Mail, Contacts, Calendars, tap your Exchange account, then turn on Contacts.
- *Set up an LDAP or CardDAV account to access business or school directories:* Go to Settings > Mail, Contacts, Calendars > Add Account > Other. Tap Add LDAP account or Add CardDAV account, then enter the account information.
- *Sync contacts from your computer, Yahoo!, or Google:* In iTunes on your computer, turn on contact syncing in the device info pane. For information, see iTunes Help.
- *Import contacts from a vCard:* Tap a .vcf attachment in an email or message.

Search a directory. Tap Groups, tap the GAL, CardDAV, or LDAP directory you want to search, then enter your search. To save a person's info to your contacts, tap Add Contact.

Show or hide a group. Tap Groups, then select the groups you want to see. This button appears only if you have more than one source of contacts.

Update your contacts using Twitter, Facebook, and Sina Weibo. Go to Settings > Twitter, Settings > Facebook, or Settings > Sina Weibo, then tap Update Contacts. This updates contact photos and social media account names in Contacts.

Unify contacts

When you have contacts from multiple sources, you might have multiple entries for the same person. To keep redundant contacts from appearing in your All Contacts list, contacts from different sources that have the same name are linked and displayed as a single *unified contact*. When you view a unified contact, the title Unified Info appears.

Link contacts. If two entries for the same person aren't linked automatically, you can unify them manually. Edit one of the contacts, tap Edit, then tap Link Contact and choose the other contact entry to link to.

If you link contacts with different first or last names, the names on the individual cards won't change, but only one name appears on the unified card. To choose which name appears when you view the unified card, tap Edit, tap the linked card with the name you prefer, then tap Use This Name For Unified Card.

Contacts settings

Go to Settings > Mail, Contacts, Calendars, where you can:

- Change how contacts are sorted
- Display contacts by first or last name
- Change how long names are shortened in lists
- Choose to show recent contacts in the multitasking screen
- Set a default account for new contacts
- Set your My Info card

Accessibility

A Appendix

Accessibility features

iPod touch offers many accessibility features:

Vision

- VoiceOver
- Support for braille displays
- Zoom
- Invert Colors and Grayscale
- Speak Selection
- Speak Screen
- Speak Auto-text
- Large, bold, and high-contrast text
- Button Shapes
- Reduce screen motion
- On/off switch labels
- Assignable tones
- Video Descriptions

Hearing

- Hearing aids
- Mono audio and balance
- Subtitles and closed captions

Interaction

- Siri
- Widescreen keyboards
- Guided Access
- Switch Control
- AssistiveTouch

Turn on accessibility features. Go to Settings > General > Accessibility, or use the Accessibility Shortcut. See Accessibility Shortcut on page 124.

With your voice, you can also use Siri to open apps, invert colors, read the screen in some apps, and work with VoiceOver. See Chapter 4, Siri, on page 42.

Use iTunes on your computer to configure accessibility on iPod touch. You can choose some accessibility options in iTunes on your computer. Connect iPod touch to your computer, then select iPod touch in the iTunes device list. Click Summary, then click Configure Accessibility at the bottom of the Summary screen.

For more information about iPod touch accessibility features, see www.apple.com/accessibility.

Accessibility Shortcut

Use the Accessibility Shortcut. Press the Home button quickly three times to turn any of these features on or off:

- VoiceOver
- Invert Colors
- Grayscale
- Zoom
- Switch Control
- AssistiveTouch
- Guided Access (The shortcut starts Guided Access if it's already turned on. See Guided Access on page 139.)
- Hearing Aid Control (if you have paired Made for iPhone hearing aids)

Choose the features you want to control. Go to Settings > General > Accessibility > Accessibility Shortcut, then select the accessibility features you use.

Not so fast. To slow down the triple-click speed, go to Settings > General > Accessibility > Home-click Speed. (This also slows down double-clicks.)

VoiceOver

VoiceOver describes aloud what appears onscreen, so you can use iPod touch without seeing it.

VoiceOver tells you about each item on the screen as you select it. The VoiceOver cursor (a rectangle) encloses the item and VoiceOver speaks its name or describes it.

Touch the screen or drag your finger over it to hear the items on the screen. When you select text, VoiceOver reads the text. If you turn on Speak Hints, VoiceOver may tell you the name of the item and provide instructions—for example, "double-tap to open." To interact with items, such as buttons and links, use the gestures described in Learn VoiceOver gestures on page 127.

When you go to a new screen, VoiceOver plays a sound, then selects and speaks the first item of the screen (typically, the item in the upper-left corner). VoiceOver also lets you know when the display changes to landscape or portrait orientation, and when the screen becomes locked or unlocked.

Note: VoiceOver speaks in the language specified in Settings > General > Language & Region. VoiceOver is available in many languages, but not all.

VoiceOver Basics

Important: VoiceOver changes the gestures you use to control iPod touch. When VoiceOver is on, you must use VoiceOver gestures to operate iPod touch—even to turn VoiceOver off.

Turn VoiceOver on or off. Go to Settings > General > Accessibility > VoiceOver, or use the Accessibility Shortcut. See Accessibility Shortcut on page 124.

Explore. Drag your finger over the screen. VoiceOver speaks each item you touch. Lift your finger to leave an item selected.

- *Select an item:* Tap it, or lift your finger while dragging over it.
- *Select the next or previous item:* Swipe right or left with one finger. Item order is left-to-right, top-to-bottom.

- *Select the item above or below:* Set the rotor to Vertical Navigation, then swipe up or down with one finger. If you don't find Vertical Navigation in the rotor, you can add it; see Use the VoiceOver rotor on page 128.
- *Select the first or last item on the screen:* Tap with four fingers at the top or bottom of the screen.
- *Select an item by name:* Triple-tap with two fingers anywhere on the screen to open the Item Chooser. Then type a name in the search field, or swipe right or left to move through the list alphabetically, or tap the table index to the right of the list and swipe up or down to move quickly through the list of items. Or use handwriting to select an item by writing its name; see Write with your finger on page 130. To dismiss the Item Chooser without making a selection, do a two-finger scrub (move two fingers back and forth three times quickly, making a "z").
- *Change an item's name so it's easier to find:* Select the item, then double-tap and hold with two fingers anywhere on the screen.
- *Speak the text of the selected item:* Set the rotor to characters or words, then swipe down or up with one finger.
- *Turn spoken hints on or off:* Go to Settings > General > Accessibility > VoiceOver > Speak Hints.
- *Use phonetic spelling:* Go to Settings > General > Accessibility > VoiceOver > Phonetic Feedback.
- *Speak the entire screen, from the top:* Swipe up with two fingers.
- *Speak from the current item to the bottom of the screen:* Swipe down with two fingers.
- *Pause speaking:* Tap once with two fingers. Tap again with two fingers to resume, or select another item.
- *Mute VoiceOver:* Double-tap with three fingers. Repeat to unmute. If you're using an external keyboard, press the Control key.
- *Silence sound effects:* Go to Settings > General > Accessibility > VoiceOver, then turn off Use Sound Effects.

Use a larger VoiceOver cursor. Go to Settings > General > Accessibility > VoiceOver, then turn on Large Cursor.

Adjust the speaking voice. You can adjust the VoiceOver speaking voice:

- *Change the volume:* Use the volume buttons on iPod touch, or add volume to the rotor, then swipe up and down to adjust; see Use the VoiceOver rotor on page 128.
- *Change the speech rate:* Go to Settings > General > Accessibility > VoiceOver, then drag the Speaking Rate slider. You can also set the rotor to Speech Rate, then swipe up or down to adjust.
- *Use pitch change:* VoiceOver uses a higher pitch when speaking the first item of a group (such as a list or table) and a lower pitch when speaking the last item of a group. Go to Settings > General > Accessibility > VoiceOver > Use Pitch Change.
- *Speak punctuation:* Set the rotor to Punctuation, then swipe up or down to select how much you want to hear.
- *Control audio ducking:* To choose whether audio that's playing is turned down while VoiceOver speaks, set the rotor to Audio Ducking, then swipe up or down.
- *Change the language for iPod touch:* Go to Settings > General > Language & Region. VoiceOver pronunciation of some languages is affected by the Region Format you choose there.
- *Change pronunciation:* Set the rotor to Language, then swipe up or down. Language is available in the rotor only if you add a language at Settings > General > Accessibility > VoiceOver > Speech > Rotor Languages.

- *Choose which dialects are available in the rotor:* Go to Settings > General > Accessibility > VoiceOver > Speech > Rotor Languages. To adjust voice quality or speaking rate, tap ⓘ next to the language. To remove languages from the rotor or change their order, tap Edit, tap the delete button or drag the reorder button ≡ up or down, then tap Done.
- *Set the default dialect for the current iPod touch language:* Go to Settings > General > Accessibility > VoiceOver > Speech.
- *Download an enhanced quality reading voice:* Go to Settings > General > Accessibility > VoiceOver > Speech, tap a language, then tap Enhanced Quality. If you're using English, you can choose to download Alex (869 MB), the same high-quality U.S. English voice used for VoiceOver on Mac computers.

Use iPod touch with VoiceOver

Unlock iPod touch. Press either the Home button or the Sleep/Wake button, swipe to select the Unlock button, then double-tap the screen.

Enter your passcode silently. To avoid having your passcode spoken as you enter it, use handwriting; see Write with your finger on page 130.

Open an app, toggle a switch, or tap an item. Select the item, then double-tap the screen.

Double-tap the selected item. Triple-tap the screen.

Adjust a slider. Select the slider, then swipe up or down with one finger.

Use a standard gesture. Double-tap and hold your finger on the screen until you hear three rising tones, then make the gesture. When you lift your finger, VoiceOver gestures resume. For example, to drag a volume slider with your finger instead of swiping up and down, select the slider, double-tap and hold, wait for the three tones, then slide left or right.

Scroll a list or area of the screen. Swipe up or down with three fingers.

- *Scroll continuously through a list:* Double-tap and hold until you hear three rising tones, then drag up or down.
- *Use the list index:* Some lists have an alphabetical table index along the right side. Select the index, then swipe up or down to move through the index. You can also double-tap, hold, then slide your finger up or down.
- *Reorder a list:* You can change the order of items in some lists, such as the Rotor items in Accessibility settings. Select ≡ to the right of an item, double-tap and hold until you hear three rising tones, then drag up or down.

Open Notification Center. Select any item in the status bar, then swipe down with three fingers. To dismiss Notification Center, do a two-finger scrub (move two fingers back and forth three times quickly, making a "z").

Open Control Center. Select any item in the status bar, then swipe up with three fingers. To dismiss Control Center, do a two-finger scrub.

Switch apps. Double-click the Home button to see open apps, swipe left or right with one finger to select an app, then double-tap to switch to it. Or set the rotor to Actions while viewing open apps, then swipe up or down.

Rearrange your Home screen. Select an icon on the Home screen, double-tap and hold, then drag. Lift your finger when the icon is in its new location. Drag an icon to the edge of the screen to move it to another Home screen. You can continue to select and move items until you press the Home button.

Speak iPod touch status information. Tap the status bar at the top of the screen, then swipe left or right to hear information about the time, battery life, Wi-Fi signal strength, and more.

Speak notifications. Go to Settings > General > Accessibility > VoiceOver, then turn on Always Speak Notifications. Notifications, including the text of incoming text messages, are spoken as they occur, even if iPod touch is locked. Unacknowledged notifications are repeated when you unlock iPod touch.

Turn the screen curtain on or off. Triple-tap with three fingers. When the screen curtain is on, the screen contents are active even though the display is turned off.

Learn VoiceOver gestures

When VoiceOver is on, standard touchscreen gestures have different effects, and additional gestures let you move around the screen and control individual items. VoiceOver gestures include two-, three-, and four-finger taps and swipes. For best results using multi-finger gestures, relax and let your fingers touch the screen with some space between them.

You can use different techniques to perform VoiceOver gestures. For example, you can perform a two-finger tap using two fingers of one hand, or one finger from each hand. You can even use your thumbs. Some people use a split-tap gesture: instead of selecting an item and double-tapping, touch and hold an item with one finger, then tap the screen with another finger.

Try different techniques to discover what works best for you. If a gesture doesn't work, try a quicker movement, especially for a double-tap or swipe gesture. To swipe, try brushing the screen quickly with your finger or fingers.

In VoiceOver settings, you can enter a special area where you can practice VoiceOver gestures without affecting iPod touch or its settings.

Practice VoiceOver gestures. Go to Settings > General > Accessibility > VoiceOver, then tap VoiceOver Practice. When you finish practicing, tap Done. If you don't see the VoiceOver Practice button, make sure VoiceOver is turned on.

Here are some key VoiceOver gestures:

Navigate and read

- *Tap:* Select and speak the item.
- *Swipe right or left:* Select the next or previous item.
- *Swipe up or down:* Depends on the rotor setting. See Use the VoiceOver rotor on page 128.
- *Two-finger swipe up:* Read all from the top of the screen.
- *Two-finger swipe down:* Read all from the current position.
- *Two-finger tap:* Stop or resume speaking.
- *Two-finger scrub:* Move two fingers back and forth three times quickly (making a "z") to dismiss an alert or go back to the previous screen.
- *Three-finger swipe up or down:* Scroll one page at a time.
- *Three-finger swipe right or left:* Go to the next or previous page (on the Home screen or in Stocks, for example).
- *Three-finger tap:* Speak additional information, such as position within a list or whether text is selected.
- *Four-finger tap at top of screen:* Select the first item on the page.
- *Four-finger tap at bottom of screen:* Select the last item on the page.

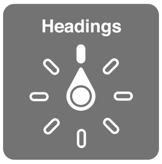
Activate

- *Double-tap:* Activate the selected item.
- *Triple-tap:* Double-tap an item.
- *Split-tap:* As an alternative to selecting an item and double-tapping to activate it, touch and hold an item with one finger, and then tap the screen with another.
- *Double-tap and hold (1 second) + standard gesture:* Use a standard gesture. The double-tap and hold gesture tells iPod touch to interpret the next gesture as standard. For example, you can double-tap and hold, and then without lifting your finger, drag your finger to slide a switch.
- *Two-finger double-tap:* Play or pause in Music, Videos, Voice Memos, or Photos. Take a photo in Camera. Start or pause recording in Camera or Voice Memos. Start or stop the stopwatch.
- *Two-finger double-tap and hold:* Relabel the selected item.
- *Two-finger triple-tap:* Open the Item Chooser.
- *Three-finger double-tap:* Mute or unmute VoiceOver.
- *Three-finger triple-tap:* Turn the screen curtain on or off.

Use the VoiceOver rotor

Use the rotor to choose what happens when you swipe up or down with VoiceOver turned on, or to select special input methods such as Braille Screen Input or Handwriting.

Operate the rotor. Rotate two fingers on the iPod touch around a point between them.



Choose your rotor options. Go to Settings > General > Accessibility > VoiceOver > Rotor, then select the options you want to include in the rotor.

The available rotor options and their effects depend on what you're doing. For example, if you're reading an email, you can use the rotor to switch between hearing text spoken word-by-word or character-by-character when you swipe up or down. If you're browsing a webpage, you can set the rotor to speak all text (word-by-word or character-by-character), or to jump to the next item of a certain type, such as a header or link.

When you use an Apple Wireless Keyboard to control VoiceOver, you can use the rotor to adjust settings such as volume, speech rate, use of pitch or phonetics, typing echo, and reading of punctuation. See Use VoiceOver with an Apple Wireless Keyboard on page 131.

Use the onscreen keyboard

When you activate an editable text field, the onscreen keyboard appears (unless you have an Apple Wireless Keyboard attached).

Activate a text field. Select the text field, then double-tap. The insertion point and the onscreen keyboard appear.

Enter text. Type characters using the onscreen keyboard:

- *Standard typing:* Select a key on the keyboard by swiping left or right, then double-tap to enter the character. Or move your finger around the keyboard to select a key and, while continuing to touch the key with one finger, tap the screen with another finger. VoiceOver speaks the key when it's selected, and again when the character is entered.

- *Touch typing:* Touch a key on the keyboard to select it, then lift your finger to enter the character. If you touch the wrong key, slide your finger to the key you want. VoiceOver speaks the character for each key as you touch it, but doesn't enter a character until you lift your finger.
- *Direct Touch typing:* VoiceOver is disabled for the keyboard only, so you can type just as you do when VoiceOver is off.
- *Choose typing style:* Go to Settings > General > Accessibility > VoiceOver > Typing Style. Or set the rotor to Typing Mode, then swipe up or down.

Move the insertion point. Swipe up or down to move the insertion point forward or backward in the text. Use the rotor to choose whether you want to move the insertion point by character, by word, or by line. To jump to the beginning or end, double-tap the text.

VoiceOver makes a sound when the insertion point moves, and speaks the character, word, or line that the insertion point moves across. When moving forward by words, the insertion point is placed at the end of each word, before the space or punctuation that follows. When moving backward, the insertion point is placed at the end of the preceding word, before the space or punctuation that follows it.

Move the insertion point past the punctuation at the end of a word or sentence. Use the rotor to switch back to character mode.

When moving the insertion point by line, VoiceOver speaks each line as you move across it. When moving forward, the insertion point is placed at the beginning of the next line (except when you reach the last line of a paragraph, when the insertion point is moved to the end of the line just spoken). When moving backward, the insertion point is placed at the beginning of the line that's spoken.

Change typing feedback. Go to Settings > General > Accessibility > VoiceOver > Typing Feedback.

Use phonetics in typing feedback. Go to Settings > General > Accessibility > VoiceOver > Phonetic Feedback. Text is read character by character. VoiceOver first speaks the character, then its phonetic equivalent—for example, "f" and then "foxtrot."

Delete a character. Use the Delete key ⌫ with any of the VoiceOver typing styles. VoiceOver speaks each character as it's deleted. If Use Pitch Change is on, VoiceOver speaks deleted characters in a lower pitch.

Select text. Set the rotor to Edit, swipe up or down to choose Select or Select All, then double-tap. If you chose Select, the word closest to the insertion point is selected when you double-tap. To increase or decrease the selection, do a two-finger scrub to dismiss the pop-up menu, then pinch.

Cut, copy, or paste. Set the rotor to Edit, select the text, swipe up or down to choose Cut, Copy, or Paste, then double-tap.

Undo. Shake iPod touch, swipe left or right to choose the action to undo, then double-tap.

Enter an accented character. In standard typing style, select the plain character, then double-tap and hold until you hear a sound indicating alternate characters have appeared. Drag left or right to select and hear the choices. Release your finger to enter the current selection. In touch typing style, touch and hold a character until the alternate characters appear.

Change the keyboard language. Set the rotor to Language, then swipe up or down. Choose "default language" to use the language specified in Language and Region settings. The Language rotor item appears only if you select more than one language in Settings > General > Accessibility > VoiceOver > Speech.

Write with your finger

Handwriting mode lets you enter text by writing characters on the screen with your finger. In addition to normal text entry, use handwriting mode to enter your iPod touch passcode silently or open apps from the Home screen.

Enter handwriting mode. Use the rotor to select Handwriting. If Handwriting isn't in the rotor, go to Settings > General > Accessibility > VoiceOver > Rotor, then add it.

Choose a character type. Swipe up or down with three fingers to choose lowercase, numbers, uppercase, or punctuation.

Hear the currently selected character type. Tap with three fingers.

Enter a character. Trace the character on the screen with your finger.

Enter a space. Swipe right with two fingers.

Go to a new line. Swipe right with three fingers.

Delete the character before the insertion point. Swipe left with two fingers.

Select an item on the Home screen. Start writing the name of the item. If there are multiple matches, continue to spell the name until it is unique, or swipe up or down with two fingers to choose from the current matches.

Enter your passcode silently. Set the rotor to Handwriting on the passcode screen, then write the characters of your passcode.

Skip to a letter in a table index. Select the index to the right of the table, then write the letter.

Set the rotor to a web browsing element type. While viewing a webpage, write the first letter of a page element type. For example, write "l" to have up or down swipes skip to links, or "h" to skip to headings.

Exit handwriting mode. Turn the rotor to a different selection.

Type onscreen braille

With Braille Screen Input enabled, you can use your fingers to enter six-dot or contracted braille codes directly on the iPod touch screen. Tap codes with iPod touch laying flat in front of you (tabletop mode), or hold iPod touch with the screen facing away so your fingers curl back to tap the screen (screen away mode).

Turn on Braille Screen Input. Use the rotor to select Braille Screen Input. If you don't find it in the rotor, go to Settings > General > Accessibility > VoiceOver > Rotor, then add it.

Enter braille codes. Place iPod touch flat in front of you or hold it with the screen facing away, then tap the screen with one or several fingers at the same time.

Adjust entry dot positions. To move the entry dots to match your natural finger positions, tap and lift your right three fingers all at once to position dots 4, 5, and 6, followed immediately by your left three fingers for dots 1, 2, and 3.

Switch between 6-dot and contracted braille. Swipe to the right with three fingers. To set the default, go to Settings > General > Accessibility > VoiceOver > Braille > Braille Screen Input.

Enter a space. Swipe right with one finger. (In screen away mode, swipe to *your* right.)

Delete the previous character. Swipe left with one finger.

Cycle through spelling suggestions. Swipe up or down with one finger.

Select an item on the Home screen. Start entering the name of the item. If there are multiple matches, continue to spell the name until it is unique, or swipe up or down with one finger to select a partial match.

Open the selected app. Swipe right with two fingers.

Turn braille contractions on or off. Swipe to the right with three fingers.

Translate immediately (when contractions are enabled). Swipe down with two fingers.

Stop entering braille. Do a two-finger scrub, or set the rotor to another setting.

Use VoiceOver with an Apple Wireless Keyboard

You can control VoiceOver using an Apple Wireless Keyboard paired with iPod touch. See Use an Apple Wireless Keyboard on page 28.

Use VoiceOver keyboard commands to navigate the screen, select items, read screen contents, adjust the rotor, and perform other VoiceOver actions. Most commands use the Control-Option key combination, abbreviated in the list that follows as "VO."

You can use VoiceOver Help to learn the keyboard layout and the actions associated with various key combinations. VoiceOver Help speaks keys and keyboard commands as you type them, without performing the associated action.

VoiceOver keyboard commands
VO = Control-Option

- *Turn on VoiceOver help:* VO–K
- *Turn off VoiceOver help:* Escape
- *Select the next or previous item:* VO–Right Arrow or VO–Left Arrow
- *Double-tap to activate the selected item:* VO–Space bar
- *Press the Home button:* VO–H
- *Touch and hold the selected item:* VO–Shift–M
- *Move to the status bar:* VO–M
- *Read from the current position:* VO–A
- *Read from the top:* VO–B
- *Pause or resume reading:* Control
- *Copy the last spoken text to the clipboard:* VO–Shift–C
- *Search for text:* VO–F
- *Mute or unmute VoiceOver:* VO–S
- *Open Notification Center:* Fn–VO–Up Arrow
- *Open Control Center:* Fn–VO–Down Arrow
- *Open the Item Chooser:* VO–I
- *Change the label of the selected item:* VO–/
- *Double-tap with two fingers:* VO–"-"
- *Adjust the rotor:* Use Quick Nav (see below)
- *Swipe up or down:* VO–Up Arrow or VO–Down Arrow
- *Adjust the speech rotor:* VO–Command–Left Arrow or VO–Command–Right Arrow
- *Adjust the setting specified by the speech rotor:* VO–Command–Up Arrow or VO–Command–Down Arrow

- *Turn the screen curtain on or off:* VO–Shift–S
- *Return to the previous screen:* Escape

Quick Nav

Turn on Quick Nav to control VoiceOver using the arrow keys.

- *Turn Quick Nav on or off:* Left Arrow–Right Arrow
- *Select the next or previous item:* Right Arrow or Left Arrow
- *Select the next or previous item specified by the rotor:* Up Arrow or Down Arrow
- *Select the first or last item:* Control–Up Arrow or Control–Down Arrow
- *Double-tap to activate the selected item:* Up Arrow–Down Arrow
- *Scroll up, down, left, or right:* Option–Up Arrow, Option–Down Arrow, Option–Left Arrow, or Option–Right Arrow
- *Adjust the rotor:* Up Arrow–Left Arrow or Up Arrow–Right Arrow

You can also use the number keys on an Apple Wireless Keyboard to enter numbers in Calculator.

Single-key Quick Nav for the web

When you view a webpage with Quick Nav on, you can use the following keys on the keyboard to navigate the page. To move to the next item of the indicated type, press the corresponding key. To move to the previous item, hold the Shift key as you type the letter.

- *Heading:* H
- *Link:* L
- *Text field:* R
- *Button:* B
- *Form control:* C
- *Image:* I
- *Table:* T
- *Static text:* S
- *ARIA landmark:* W
- *List:* X
- *Item of the same type:* M
- *Level 1 heading:* 1
- *Level 2 heading:* 2
- *Level 3 heading:* 3
- *Level 4 heading:* 4
- *Level 5 heading:* 5
- *Level 6 heading:* 6

Text editing

Use these commands (with Quick Nav turned off) to work with text. VoiceOver reads the text as you move the insertion point.

- *Go forward or back one character:* Right Arrow or Left Arrow
- *Go forward or back one word:* Option–Right Arrow or Option–Left Arrow
- *Go up or down one line:* Up Arrow or Down Arrow
- *Go to the beginning or end of the line:* Command–Left Arrow or Command–Down Arrow

- *Go to the beginning or end of the paragraph:* Option–Up Arrow or Option–Down Arrow
- *Go to the previous or next paragraph:* Option–Up Arrow or Option–Down Arrow
- *Go to the top or bottom of the text field:* Command–Up Arrow or Command–Down Arrow
- *Select text as you move:* Shift + any of the insertion point movement commands above
- *Select all text:* Command–A
- *Copy, cut, or paste the selected text:* Command–C, Command–X, or Command–V
- *Undo or redo last change:* Command–Z or Shift–Command–Z

Support for braille displays

You can use a Bluetooth braille display to read VoiceOver output, and you can use a braille display with input keys and other controls to control iPod touch when VoiceOver is turned on. For a list of supported braille displays, see www.apple.com/accessibility/ios/braille-display.html.

Connect a braille display. Turn on the display, then go to Settings > General > Bluetooth and turn on Bluetooth. Then go to Settings > General > Accessibility > VoiceOver > Braille and choose the display.

Adjust Braille settings. Go to Settings > General > Accessibility > VoiceOver > Braille, where you can:

- Choose contracted, uncontracted eight-dot, or uncontracted six-dot braille input or output
- Turn on the status cell and choose its location
- Turn on Nemeth code for equations
- Display the onscreen keyboard
- Choose to have the page turned automatically when panning
- Turn off automatic braille translation
- Change the braille translation from Unified English

For information about common braille commands for VoiceOver navigation and information specific to certain displays, see support.apple.com/kb/HT4400.

Set the language for VoiceOver. Go to Settings > General > Language & Region.

If you change the language for iPod touch, you may need to reset the language for VoiceOver and your braille display.

You can set the leftmost or rightmost cell of your braille display to provide system status and other information. For example:

- Announcement History contains an unread message
- The current Announcement History message hasn't been read
- VoiceOver speech is muted
- The iPod touch battery is low (less than 20% charge)
- iPod touch is in landscape orientation
- The screen display is turned off
- The current line contains additional text to the left
- The current line contains additional text to the right

Set the leftmost or rightmost cell to display status information. Go to Settings > General > Accessibility > VoiceOver > Braille > Status Cell, then tap Left or Right.

See an expanded description of the status cell. On your braille display, press the status cell's router button.

Read math equations

VoiceOver can read aloud math equations that are encoded using:

- MathML on the web
- MathML or LaTeX in iBooks Author

Hear an equation. Have VoiceOver read the text as usual. VoiceOver says "math" before it starts reading an equation.

Explore the equation. Double tap the selected equation to display it full screen and move through it one element at a time. Swipe left or right to read elements of the equation. Use the rotor to select Symbols, Small Expressions, Medium Expressions, or Large Expressions, then swipe up or down to hear the next element of that size. You can continue to double-tap the selected element to "drill down" into the equation to focus on the selected element, then swipe left or right, up or down to read one part at a time.

Equations read by VoiceOver can also be output to a braille device using Nemeth code, as well as the codes used by Unified English Braille, British English, French, and Greek. See Support for braille displays on page 133.

Use VoiceOver with Safari

Search the web. Select the search field, enter your search, then swipe right or left to move down or up the list of suggested search phrases. Then double-tap the screen to search the web using the selected phrase.

Skip to the next page element of a particular type. Set the rotor to the element type, then swipe up or down.

Set the rotor options for web browsing. Go to Settings > General > Accessibility > VoiceOver > Rotor. Tap to select or deselect options, or drag ≡ up or down to reposition an item.

Skip images while navigating. Go to Settings > General > Accessibility > VoiceOver > Navigate Images. You can choose to skip all images or only those without descriptions.

Reduce page clutter for easier reading and navigation. Select the Reader item in the Safari address field (not available for all pages).

If you pair an Apple Wireless Keyboard with iPod touch, you can use single-key Quick Nav commands to navigate webpages. See Use VoiceOver with an Apple Wireless Keyboard on page 131.

Use VoiceOver with Maps

With VoiceOver, you can zoom in or out, select a pin, or get information about a location.

Explore the map. Drag your finger around the screen, or swipe left or right to move to another item.

Zoom in or out. Select the map, set the rotor to Zoom, then swipe down or up with one finger.

Pan the map. Swipe with three fingers.

Browse visible points of interest. Set the rotor to Points of Interest, then swipe up or down with one finger.

Follow a road. Hold your finger down on the road, wait until you hear "pause to follow," then move your finger along the road while listening to the guide tone. The pitch increases when you stray from the road.

Select a pin. Touch a pin, or swipe left or right to select the pin.

Get information about a location. With a pin selected, double-tap to display the information flag. Swipe left or right to select the More Info button, then double-tap to display the information page.

Edit videos and voice memos with VoiceOver

You can use VoiceOver gestures to trim Camera videos and Voice Memo recordings.

Trim a video. While viewing a video in Photos, double-tap the screen to display the video controls. Select the trim beginning or trim end tool, then swipe up or down to adjust. VoiceOver announces the amount of time the current position will trim from the recording. To complete the trim, select Trim and double-tap.

Trim a voice memo. Select the memo in Voice Memos, tap Edit, then tap Start Trimming. Select the beginning or end of the selection, double-tap and hold, then drag to adjust. VoiceOver announces the amount of time the current position will trim from the recording. Tap Play to preview the trimmed recording. When you've got it the way you want it, tap Trim.

Zoom

Many apps let you zoom in or out on specific items. For example, you can double-tap or pinch to look closer in Photos or expand webpage columns in Safari. But, there's also a general Zoom feature that lets you magnify the screen no matter what you're doing. You can zoom the entire screen (Full Screen Zoom) or zoom part of the screen in a resizable window and leave the rest of the screen unmagnified (Window Zoom). And, you can use Zoom together with VoiceOver.

Turn Zoom on or off. Go to Settings > General > Accessibility > Zoom. Or use the Accessibility Shortcut. See Accessibility Shortcut on page 124.

Zoom in or out. With Zoom turned on, double-tap the screen with three fingers.

Adjust the magnification. Double-tap with three fingers, then drag up or down. The tap-and-drag gesture is similar to a double-tap, except you don't lift your fingers on the second tap—instead, drag your fingers on the screen. You can also tap three times with three fingers, then drag the Zoom Level slider in the zoom controls that appear. To limit the maximum magnification, go to Settings > General > Accessibility > Zoom > Maximum Zoom Level.

Pan to see more. Drag the screen with three fingers. Or hold your finger near the edge of the screen to pan to that side. Move your finger closer to the edge to pan more quickly.

Switch between Full Screen Mode and Window Zoom. Triple-tap with three fingers, then tap Window Zoom or Full Screen Zoom in the zoom controls that appear. To choose the mode that's used when you turn on Zoom, go to Settings > General > Accessibility > Zoom > Zoom Region.

Resize the zoom window (Window Zoom). Triple-tap with three fingers, tap Resize Lens, then drag any of the round handles that appear.

Move the zoom window (Window Zoom). Drag the handle on the edge of the zoom window.

Show the zoom controller. Go to Settings > General > Accessibility > Zoom > Show Controller. Or triple-tap with three fingers, then choose Show Controller. After the controller appears, you can double-tap the floating Zoom Controls button to zoom in or out, single-tap the button to display the zoom controls, or drag it to pan. To move the Zoom Controls button, tap and hold the button, then drag it to a new location. To adjust the transparency of the zoom controller, go to Settings > General > Accessibility > Zoom > Idle Visibility.

Have Zoom track your selections or the text insertion point. Go to Settings > General > Accessibility > Zoom > Follow Focus. Then, for example, if you use VoiceOver, turning on this option causes the zoom window to magnify each element on the screen as you select it using a swipe in VoiceOver.

Zoom in on your typing without magnifying the keyboard. Go to Settings > General > Accessibility > Zoom, then turn on Follow Focus and turn off Zoom Keyboard. When you zoom in while typing (in Messages or Notes, for example), the text you type is magnified, but the entire keyboard remains visible.

Display the magnified part of the screen in grayscale or inverted color. Triple-tap with three fingers, then tap Choose Filter in the zoom controls that appear. Tap again to turn off the effect.

While using Zoom with an Apple Wireless Keyboard (see Use an Apple Wireless Keyboard on page 28), the screen image follows the insertion point, keeping it in the center of the display.

Invert Colors and Grayscale

Sometimes, inverting the colors or changing to grayscale on the iPod touch screen makes it easier to read.

Invert the screen colors. Go to Settings > General > Accessibility > Invert Colors.

See the screen in grayscale. Go to Settings > General > Accessibility > Grayscale.

Turn on both effects to see inverted grayscale. You can also apply these effects to just the contents of the zoom window—see Zoom on page 135.

Speak Selection

Even with VoiceOver turned off, you can have iPod touch read aloud any text you can select.

Turn on Speak Selection. Go to Settings > General > Accessibility > Speak Selection. There you can also:

- Choose a language, dialect, and voice quality
- Adjust the speaking rate
- Choose to have individual words highlighted as they're read

Have text read to you. Select the text, then tap Speak.

You can also have iPod touch read the entire screen to you—see Speak Screen, next.

Speak Screen

iPod touch can read the contents of the screen to you, even if you don't use VoiceOver.

Turn on Speak Screen. Go to Settings > General > Accessibility > Speech.

Have iPod touch speak the screen. Swipe down from the top of the screen with two fingers, or ask Siri to "speak screen." Use the controls that appear to pause speaking or adjust the rate.

Highlight what's being spoken. Turn on Highlight Content, below the Speak Screen switch when it's turned on.

You can also have iPod touch read just text you select—see Speak Selection, above.

Speak Auto-text

Speak Auto-text speaks the text corrections and suggestions iPod touch makes when you type.

Turn Speak Auto-text on or off. Go to Settings > General > Accessibility.

Speak Auto-text also works with VoiceOver and Zoom.

Large, bold, and high-contrast text

Display larger text in apps such as Settings, Calendar, Contacts, Mail, Messages, and Notes. Go to Settings > General > Text Size, then adjust the slider. For even larger text, go to Settings > General > Accessibility > Larger Text, then turn on Larger Accessibility Sizes.

Display bolder text on iPod touch. Go to Settings > General > Accessibility, then turn on Bold Text.

Increase text contrast where possible. Go to Settings > General > Accessibility, then turn on Increase Contrast.

Button Shapes

iPod touch can add a colored background shape or an underline to buttons so they're easier to see.

Emphasize buttons. Go to Settings > General > Accessibility, then turn on Button Shapes.

Reduce screen motion

You can stop the movement of some screen elements, for example, the parallax effect of icons and alerts against the wallpaper, or motion transitions.

Reduce motion. Go to Settings > General > Accessibility, then turn on Reduce Motion.

On/off switch labels

To make it easier to see whether a setting is on or off, you can have iPod touch show an additional label on on/off switches.

Add switch setting labels. Go to Settings > General > Accessibility, then turn on On/Off Labels.

Assignable tones

You can assign distinctive ringtones to people in your contacts list for audible FaceTime caller ID. You can also assign distinct tones to alert you of a variety of other events, including new mail, sent mail, Tweet, Facebook Post, and reminders. See Sounds and silence on page 32.

You can purchase ringtones from the iTunes Store on iPod touch. See Chapter 22, iTunes Store, on page 101.

Video Descriptions

Video descriptions provide an audible description of video scenes. If you have a video that includes video descriptions, iPod touch can play them for you.

Turn on Video Descriptions. Go to Settings > General > Accessibility.

Hearing aids

If you have Made for iPhone hearing aids, you can use iPod touch to adjust their settings, stream audio, or use iPod touch as a remote mic.

Pair with iPod touch. If your hearing aids aren't listed in Settings > General > Accessibility > Hearing Aids, you need to pair them with iPod touch. To start, open the battery door on each hearing aid. Next, on iPod touch, go to Settings > Bluetooth, then make sure Bluetooth is turned on. Then go to Settings > General > Accessibility > Hearing Aids. Close the battery doors on your hearing aids and wait until their name appears in the list of devices (this could take a minute). When the name appears, tap it and respond to the pairing request.

When pairing is finished, you hear a series of beeps and a tone, and a checkmark appears next to the hearing aids in the Devices list. Pairing can take as long as 60 seconds—don't try to stream audio or otherwise use the hearing aids until pairing is finished.

You should only need to pair once (and your audiologist might do it for you). After that, each time you turn your hearing aids back on, they reconnect to iPod touch.

Adjust hearing aid settings and view status. Go to Settings > General > Accessibility > Hearing Aids, or choose Hearing Aids from the Accessibility Shortcut. See Accessibility Shortcut on page 124. Hearing aid settings appear only after you pair your hearing aids with iPod touch.

For shortcut access from the Lock screen, go to Settings > General > Accessibility > Hearing Aids > Control on Lock Screen. Use the settings to:

- Check hearing aid battery status.
- Adjust ambient microphone volume and equalization.
- Choose which hearing aids (left, right, or both) receive streaming audio.
- Control Live Listen.

Stream audio to your hearing aids. Stream audio from Siri, Music, Videos, and more, by choosing your hearing aids from the AirPlay menu ⏏.

Use iPod touch as a remote microphone. You can use Live Listen to stream sound from the microphone in iPod touch to your hearing aids. This can help you hear better in some situations by positioning the iPod touch nearer the sound source. Triple-click the Home button, choose Hearing Aids, then tap Start Live Listen.

Use your hearing aids with more than one iOS device. If you have more than one iOS device (both iPhone and iPod touch, for example), the connection for your hearing aids automatically switches from one to the other when you do something that generates audio on the other device, or when you receive a phone call on iPhone. Changes you make to hearing aid settings on one device are automatically sent to your other iOS devices. To take advantage of this, all of the devices must be on the same Wi-Fi network and signed into iCloud using the same Apple ID.

Mono audio and balance

Mono Audio combines the left and right stereo channels into a mono signal played on both channels. You can adjust the balance of the mono signal for greater volume on the right or left channel.

Turn Mono Audio on or off. Go to Settings > General > Accessibility > Mono Audio.

Adjust the balance. Go to Settings > General > Accessibility, then drag the Left Right Stereo Balance slider.

Subtitles and closed captions

The Videos app includes an Alternate Track button 💬, which you can tap to choose subtitles and captions offered by the video you're watching. Standard subtitles and captions are usually listed, but if you prefer special accessible captions, such as subtitles for the deaf and hard of hearing (SDH), you can set iPod touch to list them instead when they're available.

Prefer accessible subtitles and closed captions for the hard of hearing in the list of available subtitles and captions. Go to Settings > General > Accessibility > Subtitles & Captioning, then turn on Closed Captions + SDH. This also turns on subtitles and captions in the Videos app.

Choose from available subtitles and captions. Tap 💬 while watching a video in Videos.

Customize your subtitles and captions. Go to Settings > General > Accessibility > Subtitles & Captioning > Style, where you can choose an existing caption style or create a new style based on your choice of:

- Font, size, and color
- Background color and opacity
- Text opacity, edge style, and highlight

Not all videos include closed captions.

Siri

With Siri, you can do things like opening apps just by asking, and VoiceOver can read Siri responses to you. See Chapter 4, Siri, on page 42.

Widescreen keyboards

Many apps, including Mail, Safari, Messages, Notes, and Contacts, let you rotate iPod touch when you're typing, so you can use a larger keyboard.

Guided Access

Guided Access helps an iPod touch user stay focused on a task. Guided Access dedicates iPod touch to a single app, and lets you control app features. Use Guided Access to:

- Temporarily restrict iPod touch to a particular app
- Disable areas of the screen that aren't relevant to a task, or areas where an accidental gesture might cause a distraction
- Limit how long someone can use an app
- Disable the iPod touch hardware buttons

Use Guided Access. Go to Settings > General > Accessibility > Guided Access, where you can:

- Turn Guided Access on or off
- Set a passcode that controls the use of Guided Access and prevents someone from leaving a session
- Tap Time Limits to set a sound or have the remaining Guided Access time spoken before time ends
- Set whether other accessibility shortcuts are available during a session

Start a Guided Access session. After turning on Guided Access, open the app, then triple-click the Home button. Adjust settings for the session, then click Start.

- *Disable app controls and areas of the app screen:* Draw a circle or rectangle around any part of the screen you want to disable. Drag the mask into position or use the handles to adjust its size.
- *Enable the Sleep/Wake or volume buttons:* Tap Options below Hardware Buttons.
- *Keep iPod touch from switching from portrait to landscape or from responding to other motions:* Tap Options, then turn off Motion.
- *Prevent typing:* Tap Options, then turn off Keyboards.
- *Ignore all screen touches:* Turn off Touch at the bottom of the screen.
- *Set a session time limit:* Tap Time Limit Options at the bottom of the screen.

End the session. Triple-click the Home button, then enter the Guided Access passcode.

Switch Control

Switch Control lets you control iPod touch using a single switch or multiple switches. Use any of several methods to perform actions such as selecting, tapping, dragging, typing, and even free-hand drawing. The basic technique is to use a switch to select an item or location on the screen, and then use the same (or different) switch to choose an action to perform on that item or location. Three basic methods are:

- *Item scanning (default),* which highlights different items on the screen until you select one.
- *Point scanning,* which lets you use scanning crosshairs to pick a screen location.
- *Manual selection,* which lets you move from item to item on demand (requires multiple switches).

Whichever method you use, when you select an individual item (rather than a group), a menu appears so you can choose how to act on the selected item (tap, drag, or pinch, for example).

If you use multiple switches, you can set up each switch to perform a specific action and customize your item selection method. For example, instead of automatically scanning screen items, you can set up switches to move to the next or previous item on demand.

You can adjust the behavior of Switch Control in a variety of ways, to suit your specific needs and style.

Add a switch and turn on Switch Control

You can use any of these as a switch:

- *An external adaptive switch.* Choose from a variety of popular USB or Bluetooth switches.
- *The iPod touch screen.* Tap the screen to trigger the switch.
- *The iPod touch FaceTime camera.* Move your head to trigger the switch. You can use the camera as two switches; one when you move your head to the left, and the other when you move your head to the right.

Add a switch and choose its action. Go to Settings > General > Accessibility > Switch Control > Switches. If you use only one switch, it is your Select Item switch by default.

If you're adding an external switch, you need to connect it to iPod touch before it will appear in the list of available switches. Follow the instructions that came with the switch. If it connects using Bluetooth, you need to pair it with iPod touch—turn on the switch, go to Settings > Bluetooth, tap the switch, then follow the onscreen instructions. For more information, see Bluetooth devices on page 36.

Turn on Switch Control. Go to Settings > General > Accessibility > Switch Control, or use the Accessibility Shortcut—see Accessibility Shortcut on page 124.

Turn off Switch Control. Use any scanning method to select and tap Settings > General > Accessibility > Switch Control. Or triple-click the Home button.

Basic techniques

Whether you use item scanning or point scanning, the Switch Control basics are the same.

Select an item. While the item is highlighted, trigger the switch you've set up as your Select Item switch. If you are using a single switch, it is your Select Item switch by default.

Perform an action on the selected item. Choose a command from the control menu that appears when you select the item. The layout of the menu depends on whether you use Auto Tap.

- *With Auto Tap off:* The control menu includes only the Tap button and the More button (two dots at the bottom). If you're in a scrollable area of the screen, a Scroll button also appears. To tap the highlighted item, trigger your Select Item button when Tap is highlighted. To see additional action buttons, choose More at the bottom of the menu. If you have multiple switches, you can set one up specifically for tapping.
- *With Auto Tap on:* To tap the item, do nothing—the item is automatically tapped when the Auto Tap interval expires (0.75 seconds if you haven't changed it). To see the control menu, trigger your Select Item button before the Auto Tap interval expires. The control menu skips the Tap button and goes right to the full set of action buttons.

Turn on Auto Tap. Go to Settings > General > Accessibility > Switch Control > Auto Tap. To tap an item with Auto Tap on, just wait for the Auto Tap interval to expire.

Dismiss the control menu without choosing an action. Tap while the original item is highlighted and all the icons in the control menu are dimmed. Or choose Escape from the control menu. The menu goes away after cycling the number of times you specify at Settings > General > Accessibility > Switch Control > Loops.

Perform screen gestures. Choose Gestures from the control menu.

Scroll the screen. Choose an item in a scrollable part of the screen, then:

- *With Auto Tap off:* Choose the Scroll Down button (next to the Tap button) in the control menu. Or, for more scrolling options, select More, then select Scroll.
- *With Auto Tap on:* Choose Scroll from the control menu. If many actions are available, you might have to select More first.

Tap the Home button. Select Home in the control menu.

Perform a hardware action. Select any item, then select Device from the control menu that appears. You can use the menu to mimic these actions:

- Double-click the Home button for multitasking
- Open Notification Center or Control Center
- Press the Sleep/Wake button to lock iPod touch
- Rotate iPod touch
- Press the volume buttons
- Hold down the Home button to open Siri
- Triple-click the Home button
- Shake iPod touch

- Press the Home and Sleep/Wake buttons simultaneously to take a screenshot
- Swipe down from the top with two fingers to speak the screen (if you have Speak Screen turned on)

These techniques work whether you're scanning by item or by point.

Item scanning

Item scanning alternately highlights each item or group of items on the entire screen until you trigger your Select Item switch. If there are many items, Switch Control highlights them in groups. When you select a group, highlighting continues with the items in the group. When you select a unique item, scanning stops and the control menu appears. Item scanning is the default when you first turn on Switch Control.

Select an item or enter a group. Watch (or listen) as items are highlighted. When the item you want to control (or the group containing the item) is highlighted, trigger your Select Item switch. Work your way down in the hierarchy of items until you select the individual item you want to control.

Back out of a group. Act on your switch when the dashed highlight around the group or item appears.

Dismiss the menu without performing an action. Trigger your Select Item switch when the item itself is highlighted. Or choose Escape from the control menu.

Hear the names of items as they are highlighted. Go to Settings > General > Accessibility > Switch Control, then turn on Speech. Or select Settings from the control menu, then select Speech On.

Slow down the scanning. Go to Settings > General > Accessibility > Switch Control > Auto Scanning Time.

Point scanning

Point scanning lets you select an item on the screen by pinpointing it with scanning crosshairs.

Switch to point scanning. Use item scanning to choose Point Mode from the control menu. The vertical crosshair appears when you close the menu.

Select an item. Trigger your Select Item switch when the item you want is within the broad, horizontal scanning band, then trigger again when the fine scanning line is on the item. Repeat for vertical scanning.

Refine your selection point. Choose Refine Selection from the control menu.

Return to item scanning. Choose Item Mode from the control menu.

Manual selection

You can select a screen item directly using dedicated switches instead of having iPod touch alternately highlight every item.

Stop scanning and highlight items yourself. Add switches *in addition to your Select Item switch* to perform the Move To Next Item and Move To Previous Item actions. (You can use the iPod touch FaceTime camera with head-left and head-right movements for these switches.) When you've added the switches, turn off Settings > General > Accessibility > Switch Control > Auto Scanning.

Important: Don't turn off Auto Scanning if you use only one switch. You need at least two: one to move to an item and a second to select the item.

Settings and adjustments

Adjust basic settings. Go to Settings > General > Accessibility > Switch Control, where you can:

- Add switches and specify their function
- Turn off auto scanning (only if you've added a "Move to Next Item" switch)
- Adjust how rapidly items are scanned
- Set scanning to pause on the first item in a group
- Choose how many times to cycle through the screen before hiding Switch Control
- Turn Auto Tap on or off and set the interval for performing a second switch action to show the control menu
- Set whether a movement action is repeated when you hold down a switch, and how long to wait before repeating
- Set whether and how long you need to hold a switch down before it is accepted as a switch action
- Have Switch Control ignore accidental repeated switch triggers
- Adjust point scanning speed
- Turn on sound effects or have items read aloud as they are scanned
- Choose what to include in the Switch Control menu
- Set whether items should be grouped while item scanning
- Make the selection cursor larger or a different color
- Save custom gestures to the control menu (in Gestures > Saved)

Fine-tune Switch Control. Choose Settings from the control menu to:

- Adjust scanning speed
- Change the location of the control menu
- Switch between item scan mode and point scan mode
- Choose whether point scan mode displays crosshairs or a grid
- Reverse the scanning direction
- Turn on or off sound or speech accompaniment
- Turn off groups to scan items one at a time

AssistiveTouch

AssistiveTouch helps you use iPod touch if you have difficulty touching the screen or pressing the buttons. You can use an adaptive accessory (such as a joystick) with AssistiveTouch to control iPod touch. You can also use AssistiveTouch without an accessory, to perform gestures that are difficult for you.

The AssistiveTouch menu lets you perform actions such as these by just tapping (or the equivalent on your accessory):

- Press the Home button
- Summon Siri
- Perform multi-finger gestures
- Access Control Center or Notification Center
- Adjust iPod touch volume
- Shake iPod touch
- Capture a screenshot

Turn on AssistiveTouch. Go to Settings > General > Accessibility > AssistiveTouch, or use the Accessibility Shortcut. See Accessibility Shortcut on page 124. When AssistiveTouch is on, the floating menu button appears on the screen.

Show or hide the menu. Tap the floating menu button, or click the secondary button on your accessory.

Simulate pressing the Home button. Tap the menu button, then tap Home.

Lock or rotate the screen, adjust iPod touch volume, or simulate shaking iPod touch. Tap the menu button, then tap Device.

Perform a swipe or drag that uses 2, 3, 4, or 5 fingers. Tap the menu button, tap Device > More > Gestures, then tap the number of digits needed for the gesture. When the corresponding circles appear on the screen, swipe or drag in the direction required by the gesture. When you finish, tap the menu button.

Perform a pinch gesture. Tap the menu button, tap Favorites, then tap Pinch. When the pinch circles appear, touch anywhere on the screen to move the pinch circles, then drag the pinch circles in or out to perform a pinch gesture. When you finish, tap the menu button.

Create your own gesture. You can add your own favorite gestures to the control menu (for example, tap and hold or two-finger rotation). Tap the menu button, tap Favorites, then tap an empty gesture placeholder. Or go to Settings > General > Accessibility > AssistiveTouch > Create New Gesture.

Example 1: To create the rotation gesture, go to Settings > General > Accessibility > AssistiveTouch > Create New Gesture. On the gesture recording screen that prompts you to touch to create a gesture, rotate two fingers on the iPod touch screen around a point between them. (You can do this with a single finger or stylus—just create each arc separately, one after the other.) If it doesn't turn out quite right, tap Cancel, then try again. When it looks right, tap Save, then give the gesture a name—maybe "Rotate 90." Then, to rotate the view in Maps, for example, open Maps, tap the AssistiveTouch menu button, and choose Rotate 90 from Favorites. When the blue circles representing the starting finger positions appear, drag them to the point around which you want to rotate the map, then release. You might want to create several gestures with different degrees of rotation.

Example 2: Let's create the touch and hold gesture that you use to start rearranging icons on your Home screen. This time, on the gesture recording screen, hold down your finger in one spot until the recording progress bar reaches halfway, then lift your finger. Be careful not to move your finger while recording, or the gesture will be recorded as a drag. Tap Save and name the gesture. To use the gesture, tap the AssistiveTouch menu button and choose your gesture from Favorites. When the blue circle representing your touch appears, drag it over a Home screen icon and release.

If you record a sequence of taps or drags, they're all played back at the same time. For example, using one finger or stylus to record four separate, sequential taps at four locations on the screen creates a simultaneous four-finger tap.

Exit a menu without performing a gesture. Tap anywhere outside the menu. To return to the previous menu, tap the arrow in the middle of the menu.

Move the menu button. Drag it anywhere along the edge of the screen.

Adjust your accessory tracking speed. Go to Settings > General > Accessibility > AssistiveTouch > Touch speed.

Hide the menu button (with an accessory attached). Go to Settings > General > Accessibility > AssistiveTouch > Always Show Menu.

Voice Control

Voice Control lets you control iPod touch music playback using voice commands. See Voice Control on page 29.

Accessibility in OS X

Take advantage of the accessibility features in OS X when you use iTunes to sync with iPod touch. In the Finder, choose Help > Help Center (or Help > Mac Help in OS X Yosemite), then search for "accessibility."

For more information about iPod touch and OS X accessibility features, see www.apple.com/accessibility.

International Keyboards

Appendix B

Use international keyboards

International keyboards let you type text in many different languages, including Asian languages and languages written from right to left. For a list of supported keyboards, go to www.apple.com/ipod-touch/specs.html and scroll to Languages.

Manage keyboards. Go to Settings > General > Keyboard > Keyboards.

- *Add a keyboard:* Tap Add New Keyboard, then choose a keyboard from the list. Repeat to add more keyboards.
- *Remove a keyboard:* Tap Edit, tap ⊖ next to the keyboard you want to remove, tap Delete, then tap Done.
- *Edit your keyboard list:* Tap Edit, drag ≡ next to a keyboard to a new place in the list, then tap Done.

To enter text in a different language, switch keyboards.

Switch keyboards while typing. Touch and hold the Globe key 🌐 to show all your enabled keyboards. To choose a keyboard, slide your finger to the name of the keyboard, then release. The Globe key 🌐 appears only if you enable more than one keyboard.

You can also just tap 🌐. When you tap 🌐, the name of the newly activated keyboard appears briefly. Continue tapping to access other enabled keyboards.

Many keyboards provide letters, numbers, and symbols that aren't visible on the keyboard.

Enter accented letters or other characters. Touch and hold the related letter, number, or symbol, then slide to choose a variant. For example:

- *On a Thai keyboard:* Choose native numbers by touching and holding the related Arabic number.
- *On a Chinese, Japanese, or Arabic keyboard:* Suggested characters or candidates appear at the top of the keyboard. Tap a candidate to enter it, or swipe left to see more candidates.

Use the extended suggested candidate list. Tap the up arrow on the right to view the full candidate list.

- *Scroll the list:* Swipe up or down.
- *Return to the short list:* Tap the down arrow.

When using certain Chinese or Japanese keyboards, you can create a shortcut for word and input pairs. The shortcut is added to your personal dictionary. When you type a shortcut while using a supported keyboard, the paired word or input is substituted for the shortcut.

Turn shortcuts on or off. Go to Settings > General > Keyboard > Shortcuts. Shortcuts are available for:

- *Simplified Chinese:* Pinyin
- *Traditional Chinese:* Pinyin and Zhuyin
- *Japanese:* Romaji and 50 Key

Reset your personal dictionary. Go to Settings > General > Reset > Reset Keyboard Dictionary. All custom words and shortcuts are deleted, and the keyboard dictionary returns to its default state.

Special input methods

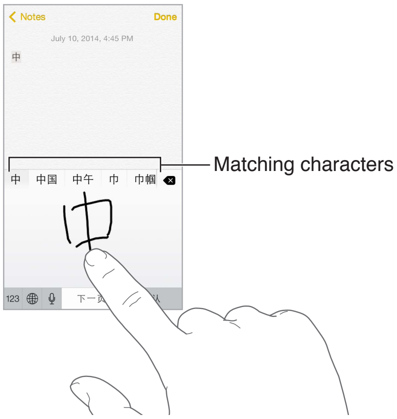
You can use keyboards to enter some languages in different ways. A few examples are Chinese Cangjie and Wubihua, Japanese Kana, and Facemarks. You can also use your finger or a stylus to write Chinese characters on the screen.

Build Chinese characters from the component Cangjie keys. As you type, suggested characters appear. Tap a character to choose it, or continue typing up to five components to see more options.

Build Chinese Wubihua (stroke) characters. Use the keypad to build Chinese characters using up to five strokes, in the correct writing sequence: horizontal, vertical, left falling, right falling, and hook. For example, the Chinese character 圈 (circle) should begin with the vertical stroke 丨.

- As you type, suggested Chinese characters appear (the most commonly used characters appear first). Tap a character to choose it.
- If you're not sure of the correct stroke, enter an asterisk (*). To see more character options, type another stroke, or scroll through the character list.
- Tap the match key (匹配) to show only characters that match exactly what you typed.

Write Chinese characters. Write Chinese characters directly on the screen with your finger when Simplified or Traditional Chinese handwriting input is turned on. As you write character strokes, iPod touch recognizes them and shows matching characters in a list, with the closest match first. When you choose a character, its likely follow-on characters appear in the list as additional choices.



You can type some complex characters, such as 鱲 (part of the name for the Hong Kong International Airport), by writing two or more component characters in sequence. Tap the character to replace the characters you typed. Roman characters are also recognized.

Type Japanese kana. Use the Kana keypad to select syllables. For more syllable options, drag the list to the left or tap the arrow key.

Type Japanese romaji. Use the Romaji keyboard to type syllables. Alternative choices appear along the top of the keyboard; tap one to type it. For more syllable options, tap the arrow key and select another syllable or word from the window.

Type facemarks or emoticons. Use the Japanese Kana keyboard and tap the ^_^ key. Or you can:

- *Use the Japanese Romaji keyboard (QWERTY-Japanese layout):* Tap 123, then tap the ^_^ key.
- *Use the Chinese (Simplified or Traditional) Pinyin or (Traditional) Zhuyin keyboard:* Tap #+=, then tap the ^_^ key.

Safety, Handling, & Support

Appendix C

Important safety information

⚠ *WARNING:* Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to iPod touch or other property. Read all the safety information below before using iPod touch.

Handling Handle iPod touch with care. It is made of metal, glass, and plastic and has sensitive electronic components inside. iPod touch can be damaged if dropped, burned, punctured, or crushed, or if it comes in contact with liquid. Don't use a damaged iPod touch, such as one with a cracked screen, as it may cause injury. If you're concerned about scratching the surface of iPod touch, consider using a case or cover.

Repairing Don't open iPod touch and don't attempt to repair iPod touch yourself. Disassembling iPod touch may damage it or may cause injury to you. If iPod touch is damaged, malfunctions, or comes in contact with liquid, contact Apple or an Apple Authorized Service Provider. You can find more information about getting service at www.apple.com/support/ipod/service/faq.

Battery Don't attempt to replace the iPod touch battery yourself—you may damage the battery, which could cause overheating and injury. The lithium-ion battery in iPod touch should be replaced only by Apple or an Apple Authorized Service Provider, and must be recycled or disposed of separately from household waste. Don't incinerate the battery. For information about battery recycling and replacement, see www.apple.com/batteries/replacement-and-recycling.

Distraction Using iPod touch in some circumstances may distract you and might cause a dangerous situation (for example, avoid using headphones while riding a bicycle). Observe rules that prohibit or restrict the use of mobile devices or headphones.

Navigation Maps, directions, Flyover, and location-based apps depend on data services. These data services are subject to change and may not be available in all areas, resulting in maps, directions, Flyover, or location-based information that may be unavailable, inaccurate, or incomplete. Some Maps features require Location Services. Compare the information provided on iPod touch to your surroundings and defer to posted signs to resolve any discrepancies. Do not use these services while performing activities that require your full attention. Always comply with posted signs and the laws and regulations in the areas where you are using iPod touch and always use common sense.

Charging Charge iPod touch with the included USB cable, or with other third-party "Made for iPod" cables and power adapters that are compatible with USB 2.0 or later, or power adapters compliant with applicable country regulations and with one or more of the following standards: EN 301489-34, IEC 62684, YD/T 1591-2009, CNS 15285, ITU L.1000, or another applicable mobile phone power adapter interoperability standard. An iPod touch Micro USB Adapter (available separately in some areas) or other adapter may be needed to connect iPod touch to some compatible power adapters. Only micro USB power adapters in certain regions that comply with applicable mobile device power adapter interoperability standards are compatible. Please contact the power adapter manufacturer to find out if your micro USB power adapter complies with these standards.

Using damaged cables or chargers, or charging when moisture is present, can cause fire, electric shock, injury, or damage to iPod touch or other property. When you use the Apple USB Power Adapter (sold separately) to charge iPod touch, make sure the USB cable is fully inserted into the power adapter before you plug the adapter into a power outlet.

Lightning cable and connector Avoid prolonged skin contact with the connector when the Lightning to USB Cable is plugged into a power source because it may cause discomfort or injury. Situations such as sleeping or sitting on the Lightning connector should be avoided.

Prolonged heat exposure iPod touch and its power adapter (available separately) comply with applicable surface temperature standards and limits. However, even within these limits, sustained contact with warm surfaces for long periods of time may cause discomfort or injury. Use common sense to avoid situations where your skin is in contact with a device or its power adapter when it's operating or plugged into a power source for long periods of time. For example, don't sleep on a device or power adapter, or place them under a blanket, pillow, or your body, when it's plugged into a power source. It's important to keep iPod touch and its power adapter in a well-ventilated area when in use or charging. Take special care if you have a physical condition that affects your ability to detect heat against the body.

Hearing loss Listening to sound at high volumes may damage your hearing. Background noise, as well as continued exposure to high volume levels, can make sounds seem quieter than they actually are. Turn on audio playback and check the volume before inserting anything in your ear. For more information about hearing loss, see www.apple.com/sound. For information about how to set a maximum volume limit on iPod touch, see Music settings on page 65.

To avoid hearing damage, use only compatible receivers, earbuds, headphones, speakerphones, or earpieces with iPod touch. The headsets sold with iPhone 4s or later in China (identifiable by dark insulating rings on the plug) are designed to comply with Chinese standards and are only compatible with iPhone 4s or later, iPad 2 or later, and iPod touch 5th generation.

WARNING: To prevent possible hearing damage, do not listen at high volume levels for long periods.

Radio frequency exposure iPod touch uses radio signals to connect to wireless networks. For information about radio frequency (RF) energy resulting from radio signals and steps you can take to minimize exposure, go to Settings > General > About > Legal > RF Exposure or visit www.apple.com/legal/rfexposure.

Radio frequency interference Observe signs and notices that prohibit or restrict the use of electronic devices (for example, in healthcare facilities or blasting areas). Although iPod touch is designed, tested, and manufactured to comply with regulations governing radio frequency emissions, such emissions from iPod touch can negatively affect the operation of other electronic equipment, causing them to malfunction. Turn off iPod touch or use Airplane Mode to turn off the iPod touch wireless transmitters when use is prohibited, such as while traveling in aircraft, or when asked to do so by authorities.

Medical device interference iPod touch contains components and radios that emit electromagnetic fields. iPod touch also contains magnets and the included headphones also have magnets in the earbuds. These electromagnetic fields and magnets may interfere with pacemakers, defibrillators, or other medical devices. Maintain a safe distance of separation between your medical device and iPod touch and the earbuds. Consult your physician and medical device manufacturer for information specific to your medical device. If you suspect iPod touch is interfering with your pacemaker or any other medical device, stop using iPod touch.

Not a medical device iPod touch and the Health app are not designed or intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease.

Medical conditions If you have any medical condition that you believe could be affected by iPod touch (for example, seizures, blackouts, eyestrain, or headaches), consult with your physician prior to using iPod touch.

Explosive atmospheres Do not charge or use iPod touch in any area with a potentially explosive atmosphere, such as a fueling area, or in areas where the air contains chemicals or particles (such as grain, dust, or metal powders). Obey all signs and instructions.

Repetitive motion When you perform repetitive activities such as typing or playing games on iPod touch, you may experience discomfort in your hands, arms, wrists, shoulders, neck, or other parts of your body. If you experience discomfort, stop using iPod touch and consult a physician.

High-consequence activities This device is not intended for use where the failure of the device could lead to death, personal injury, or severe environmental damage.

iPod touch loop (available on some models) To attach the loop securely, press the button on the back of iPod touch to pop it up, slip the loop tab over the button, then pull the loop to snap it into place. Certain activities when using the iPod touch loop may pose a risk of injury, especially if the loop becomes caught or trapped—for example, while working around machinery. Don't swing iPod touch while using the loop, as the loop might come off, causing injury or damage.

Choking hazard Some iPod touch accessories may present a choking hazard to small children. Keep these accessories away from small children.

Important handling information

Cleaning Clean iPod touch immediately if it comes in contact with anything that may cause stains—such as dirt, ink, makeup, or lotions. To clean:

- Disconnect all cables and turn iPod touch off (press and hold the Sleep/Wake button, then slide the onscreen slider).
- Use a soft, lint-free cloth.

- Avoid getting moisture in openings.
- Don’t use cleaning products or compressed air.

The front of iPod touch is made of glass with a fingerprint-resistant oleophobic (oil repellant) coating. This coating wears over time with normal usage. Cleaning products and abrasive materials will further diminish the coating, and may scratch the glass.

Using connectors, ports, and buttons Never force a connector into a port or apply excessive pressure to a button, because this may cause damage that is not covered under the warranty. If the connector and port don’t join with reasonable ease, they probably don’t match. Check for obstructions and make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.

Lightning to USB Cable Discoloration of the Lightning connector after regular use is normal. Dirt, debris, and exposure to moisture may cause discoloration. If your Lightning cable or connector become warm during use or iPod touch won’t charge or sync, disconnect it from your computer or power adapter and clean the Lightning connector with a soft, dry, lint-free cloth. Do not use liquids or cleaning products when cleaning the Lightning connector.

Certain usage patterns can contribute to the fraying or breaking of cables. The Lightning to USB Cable, like any other metal wire or cable, is subject to becoming weak or brittle if repeatedly bent in the same spot. Aim for gentle curves instead of angles in the cable. Regularly inspect the cable and connector for any kinks, breaks, bends, or other damage. Should you find any such damage, discontinue use of the Lightning to USB Cable.

Operating temperature iPod touch is designed to work in ambient temperatures between 32° and 95° F (0° and 35° C) and stored in temperatures between -4° and 113° F (-20° and 45° C). iPod touch can be damaged and battery life shortened if stored or operated outside of these temperature ranges. Avoid exposing iPod touch to dramatic changes in temperature or humidity. When you’re using iPod touch or charging the battery, it is normal for iPod touch to get warm.

If the interior temperature of iPod touch exceeds normal operating temperatures (for example, in a hot car or in direct sunlight for extended periods of time), you may experience the following as it attempts to regulate its temperature:

- iPod touch stops charging.
- The screen dims.
- A temperature warning screen appears.
- Some apps may close.

Important: You may not be able to use iPod touch while the temperature warning screen is displayed. If iPod touch can’t regulate its internal temperature, it goes into deep sleep mode until it cools. Move iPod touch to a cooler location out of direct sunlight and wait a few minutes before trying to use iPod touch again.

For more information, see support.apple.com/kb/HT2101.

iPod touch Support site

Comprehensive support information is available online at www.apple.com/support/ipodtouch. To contact Apple for personalized support (not available in all areas), see www.apple.com/support/contact.

Restart or reset iPod touch

If something isn't working right, try restarting iPod touch, forcing an app to quit, or resetting iPod touch.

Restart iPod touch. Hold down the Sleep/Wake button until the slider appears. Slide your finger across the slider to turn off iPod touch. To turn iPod touch back on, hold down the Sleep/Wake button until the Apple logo appears.

Force an app to quit. From the Home screen, double-click the Home button and swipe upwards on the app screen.

If you can't turn off iPod touch or if the problem continues, you may need to reset iPod touch. Do this only if you're unable to restart your iPod touch.

Reset iPod touch. Hold down the Sleep/Wake button and the Home button at the same time for at least ten seconds, until the Apple logo appears.

You can reset the word dictionary, network settings, home screen layout, and location warnings. You can also erase all of your content and settings.

Reset iPod touch settings

Reset iPod touch settings. Go to Settings > General > Reset, then choose an option:

- *Reset All Settings:* All your preferences and settings are reset.
- *Erase All Content and Settings:* Your information, and settings are removed. iPod touch cannot be used until it's set up again.
- *Reset Network Settings:* When you reset network settings, previously used networks and VPN settings that weren't installed by a configuration profile are removed. (To remove VPN settings installed by a configuration profile, go to Settings > General > Profile, select the profile, then tap Remove. This also removes other settings or accounts provided by the profile.) Wi-Fi is turned off and then back on, disconnecting you from any network you're on. The Wi-Fi and "Ask to Join Networks" settings remain turned on.
- *Reset Keyboard Dictionary:* You add words to the keyboard dictionary by rejecting words iPod touch suggests as you type. Resetting the keyboard dictionary erases all words you've added.
- *Reset Home Screen Layout:* Returns the built-in apps to their original layout on the Home screen.
- *Reset Location & Privacy:* Resets the location services and privacy settings to their defaults.

Get information about your iPod touch

See information about iPod touch. Go to Settings > General > About. The items you can view include:

- Name
- Number of songs, videos, photos, and apps
- Capacity and available storage space
- iOS version
- Model number
- Serial number
- Wi-Fi and Bluetooth addresses

- Legal (including legal notices, and license, warranty, regulatory marks, and RF exposure information)

To copy the serial number and other identifiers, touch and hold the identifier until Copy appears.

To help Apple improve products and services, iPod touch sends diagnostic and usage data. This data doesn't personally identify you, but may include location information.

View or turn off diagnostic information. Go to Settings > Privacy > Diagnostics & Usage.

Usage information

View usage information. Go to Settings > General > Usage to:

- See Battery Usage, including the elapsed time since iPod touch has been charged and usage by app
- View overall storage availability and storage used per app
- View and manage iCloud storage

Disabled iPod touch

If iPod touch is disabled because you forgot your passcode or entered an incorrect passcode too many times, you can restore iPod touch from an iTunes or iCloud backup and reset the passcode. Restoring erases the content and settings on iPod touch, but uses a backup to replace your data and settings. For more information, see Restore iPod touch on page 156 and Back up iPod touch, below.

If you get a message in iTunes that iPod touch is locked and you must enter a passcode, see support.apple.com/kb/HT1212.

VPN settings

A VPN (virtual private network) provides secure access over the Internet to private networks, such as the network at your organization. You may need to install a VPN app from the App Store that configures your iPod touch to access a network. Contact your system administrator for information about the app and settings you need.

Profiles settings

Configuration profiles define settings for using iPod touch with corporate or school networks or accounts. You might be asked to install a configuration profile that was sent to you in an email, or one that is downloaded from a webpage. iPod touch asks for your permission to install the profile, and displays information about what it contains, when you open the file. You can see the profiles you have installed in Settings > General > Profiles. If you delete a profile, all of the settings, apps, and data associated with the profile are also deleted.

Back up iPod touch

You can use iCloud or iTunes to automatically back up iPod touch. If you choose to back up using iCloud, you can't also use iTunes to automatically back up to your computer, but you can use iTunes to manually back up to your computer. iCloud backs up iPod touch daily over Wi-Fi, when it's connected to a power source and is locked. The date and time of the last backup is listed at the bottom of the Storage & Backup screen.

iCloud backs up your:

- Purchased music, movies, TV shows, apps, and books
- Photos and videos taken with iPod touch (if you use iCloud Photo Library beta, your photos and videos are already stored in iCloud, so they won't also be part of an iCloud backup)
- iPod touch settings
- App data
- Home screen, folders, and app layout
- Messages

Note: Purchased content is not backed up in all areas.

Turn on iCloud backups. Go to Settings > iCloud, then log in with your Apple ID and password if required. Go to Backup, then turn on iCloud Backup. To turn on backups in iTunes on your computer, go to File > Devices > Back Up.

Back up immediately. Go to Settings > iCloud > Backup, then tap Back Up Now.

Encrypt your backup. iCloud backups are encrypted automatically so that your data is protected from unauthorized access both while it's transmitted to your devices and when it's stored in iCloud. If you're using iTunes for your backup, select "Encrypt iPod backup" in the iTunes Summary pane.

Manage your backups. Go to Settings > iCloud. You can manage which apps are backed up to iCloud by tapping them on or off. Go to Settings > iCloud > Storage > Manage Storage to remove existing backups and manage iCloud Drive or Documents & Data. In iTunes, remove backups in iTunes Preferences.

View the devices being backed up. Go to Settings > iCloud > Storage > Manage Storage.

Stop iCloud backups. Go to Settings > iCloud > Backup, then turn off iCloud Backup.

Music not purchased in iTunes isn't backed up in iCloud. Use iTunes to back up and restore that content. See Sync with iTunes on page 17.

Important: Backups for music, movies, or TV show purchases are not available in all countries. Previous purchases may not be restored if they are no longer in the iTunes Store, App Store, or iBooks Store.

Purchased content, iCloud Photo Sharing, and My Photo Stream content don't count against your 5 GB of free iCloud storage.

For more information about backing up iPod touch, see support.apple.com/kb/HT5262.

Update and restore iPod touch software

About update and restore

You can update iPod touch software in Settings, or by using iTunes. You can also erase or restore iPod touch, and then use iCloud or iTunes to restore from a backup.

Update iPod touch

You can update software in iPod touch Settings or by using iTunes.

Update wirelessly on iPod touch. Go to Settings > General > Software Update. iPod touch checks for available software updates.

Update software in iTunes. iTunes checks for available software updates each time you sync iPod touch using iTunes. See Sync with iTunes on page 17.

For more information about updating iPod touch software, see support.apple.com/kb/HT4623.

Restore iPod touch

You can use iCloud or iTunes to restore iPod touch from a backup.

Restore from an iCloud backup. Reset iPod touch to erase all content and settings, then choose "Restore from a Backup" and sign in to iCloud in the Setup Assistant. See Restart or reset iPod touch on page 153.

Restore from an iTunes backup. Connect iPod touch to the computer you normally sync with, select iPod touch in the iTunes window, then click Restore in the Summary pane.

When the iPod touch software is restored, you can either set it up as a new iPod touch, or restore your music, videos, app data, and other content from a backup.

For more information about restoring iPod touch software, see support.apple.com/kb/HT1414.

Sell or give away iPod touch

Before you sell or give away your iPod touch, be sure to erase all content and your personal information. If you've enabled Find My iPod touch (see Find My iPod touch on page 39), Activation Lock is on. You need to turn off Activation Lock before the new owner can activate iPod touch under his or her own account.

Erase iPod touch and remove Activation Lock. Go to Settings > General > Reset > Erase All Content and Settings.

See support.apple.com/kb/HT5661.

Learn more, service, and support

Refer to the following resources to get more iPod touch-related safety, software, and service information.

To learn about	Do this
Using iPod touch safely	See Important safety information on page 149.
iPod touch service and support, tips, forums, and Apple software downloads	Go to www.apple.com/support/ipodtouch.
The latest information about iPod touch	Go to www.apple.com/ipod-touch.
Managing your Apple ID account	Go to appleid.apple.com.
Using iCloud	Go to help.apple.com/icloud.
Using iTunes	Open iTunes, then choose Help > iTunes Help. For an online iTunes tutorial (may not be available in all areas), go to www.apple.com/support/itunes.
Using other Apple iOS apps	Go to www.apple.com/support/ios.
Obtaining warranty service	First follow the advice in this guide. Then go to www.apple.com/support/ipodtouch.
Viewing iPod touch regulatory information	On iPod touch, go to Settings > General > About > Legal > Regulatory.
Battery replacement service	Go to apple.com/batteries/replacement-and-recycling/.

FCC compliance statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Important: Changes or modifications to this product not authorized by Apple could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product. This product has demonstrated EMC compliance under conditions that included the use of compliant peripheral devices and shielded cables between system components. It is important that you use compliant peripheral devices and shielded cables between system components to reduce the possibility of causing interference to radios, televisions, and other electronic devices.

Canadian regulatory statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Users are advised that high-power radars are allocated as primary users (i.e., priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) l’appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

La bande 5 150-5 250 MHz est réservés uniquement pour une utilisation à l’intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Les utilisateurs êtes avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

CAN ICES-3 (B)/NMB-3(B)

Disposal and recycling information

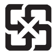
Your iPod touch and/or battery should not be disposed of with household waste. Dispose of your iPod touch and/or battery in accordance with local environmental laws and guidelines. For information about the recycling program at Apple and recycling collection points, visit www.apple.com/recycling. For information about restricted substances and other environmental initiatives at Apple, visit www.apple.com/environment.

Battery replacement: The lithium-ion battery in iPod touch should be replaced by Apple or an authorized service provider. For more information about battery replacement services, go to www.apple.com/batteries/replacement-and-recycling/.

Türkiye

Türkiye Cumhuriyeti: EEE Yönetmeliğine Uygundur.

台灣



廢電池請回收

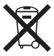
Taiwan Battery Statement

警告：請勿戳刺或焚燒。此電池不含汞。

China Battery Statement

警告： 不要刺破或焚烧。该电池不含水银。

European Union—Disposal information



The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

Union Européenne—informations sur l'élimination: Le symbole ci-dessus signifie que, conformément aux lois et réglementations locales, vous devez jeter votre produit et/ou sa batterie séparément des ordures ménagères. Lorsque ce produit arrive en fin de vie, apportez-le à un point de collecte désigné par les autorités locales. La collecte séparée et le recyclage de votre produit et/ou de sa batterie lors de sa mise au rebut aideront à préserver les ressources naturelles et à s'assurer qu'il est recyclé de manière à protéger la santé humaine et l'environnement.

Europäische Union—Informationen zur Entsorgung: Das oben aufgeführte Symbol weist darauf hin, dass dieses Produkt und/oder die damit verwendete Batterie den geltenden gesetzlichen Vorschriften entsprechend und vom Hausmüll getrennt entsorgt werden muss. Geben Sie dieses Produkt zur Entsorgung bei einer offiziellen Sammelstelle ab. Durch getrenntes Sammeln und Recycling werden die Rohstoffreserven geschont und es ist sichergestellt, dass beim Recycling des Produkts und/oder der Batterie alle Bestimmungen zum Schutz von Gesundheit und Umwelt eingehalten werden.

Unione Europea—informazioni per lo smaltimento: Il simbolo qui sopra significa che, in base alle leggi e alle normative locali, il prodotto e/o la sua batteria dovrebbero essere riciclati separatamente dai rifiuti domestici. Quando il prodotto diventa inutilizzabile, portalo nel punto di raccolta stabilito dalle autorità locali. La raccolta separata e il riciclaggio del prodotto e/o della sua batteria al momento dello smaltimento aiutano a conservare le risorse naturali e assicurano che il riciclaggio avvenga nel rispetto della salute umana e dell'ambiente.

Europeiska unionen—information om kassering: Symbolen ovan betyder att produkten och/eller dess batteri enligt lokala lagar och bestämmelser inte får kastas tillsammans med hushållsavfallet. När produkten har tjänat ut måste den tas till en återvinningsstation som utsetts av lokala myndigheter. Genom att låta den uttjänta produkten och/eller dess batteri tas om hand för återvinning hjälper du till att spara naturresurser och skydda hälsa och miljö.

Brasil—Informações sobre descarte e reciclagem

O símbolo indica que este produto e/ou sua bateria não devem ser descartadas no lixo doméstico. Quando decidir descartar este produto e/ou sua bateria, faça-o de acordo com as leis e diretrizes ambientais locais. Para informações sobre substâncias de uso restrito, o programa de reciclagem da Apple, pontos de coleta e telefone de informações, visite www.apple.com/br/environment.

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El símbolo indica que este producto y/o su batería no debe desecharse con los residuos domésticos. Cuando decida desechar este producto y/o su batería, hágalo de conformidad con las leyes y directrices ambientales locales. Para obtener información sobre el programa de reciclaje de Apple, puntos de recolección para reciclaje, sustancias restringidas y otras iniciativas ambientales, visite www.apple.com/la/environment.

Apple and the environment

At Apple, we recognize our responsibility to minimize the environmental impacts of our operations and products. For more information, go to www.apple.com/environment.

Apple Inc.

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